

```

: LENGTH: 534
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-651-200-6

Query Match
Best Local Similarity 31.1%; Score 241.5; DB 4; Length 534;
Matches 79; Conservative 37; Mismatches 113; Indels 25; Gaps 6;

QY 47 ETEVGAMGGSNNVYLCSDIDPHRRHFNLSGLIYVWQIENPENSVTYLLPYKSPGINVDSXK 106
Db 253 EDPEVALVAGDATALRCFSFSPGFSLAQINLIMQITDTRKQVHSFTGRRQG---SAA 308
QY 107 NRGHLSIDSKQGSFELYLKNTYPODTQETFC---RYFNMTATELVKILEEVYRLRVA 162
Db 309 NRRLALPDLAAGNASLRLQGRVRADEGSFICFVSIRFGSAA-----VSLQVAA 358
QY 163 NESTPVIISTDSSN--PGQERTYTQMSKNGYEPENLYWINTTNSLIDTALQNNVTYLNK 220
Db 359 PYSKPSFTLEPPNKDLRPGDTVITITCSSYRGYDEAEVWQDQGVPL--TGNVTTSQMAN 416
QY 221 LGIYDVSTLRLEPMTSRGDVLCVENVVLAHONITISQASEFTGNNTKPOETHNNELVK 280
Db 417 QGLEDVHSVLRVYLVGANGTYSCLVANRPVLAQDAHG---SVITIGQPMTFPEALMYTGL 473
QY 281 LPEVLAVALAAAEV 294
Db 474 SVCIILALVALAEV 487

RESULT 4
US-09-651-200-24
: Sequence 24, Application US/09651200
: Patent No. 6429303
: GENERAL INFORMATION:
: APPLICANT: Green et al
: TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
: TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
: FILE REFERENCE: 15966-562 (CURA-62)
: CURRENT APPLICATION NUMBER: US/09/651.200
: PRIOR FILING DATE: 2000-08-30
: PRIOR APPLICATION NUMBER: 60/152383
: PRIOR FILING DATE: 1999-09-03
: PRIOR APPLICATION NUMBER: 60/172909
: PRIOR FILING DATE: 1999-12-21
: PRIOR APPLICATION NUMBER: 60/183578
: PRIOR FILING DATE: 2000-02-18
: NUMBER OF SEQ ID NOS: 25
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 24
: LENGTH: 534
: TYPE: PRT
: ORGANISM: Unknown
: FEATURE:
: OTHER INFORMATION: Description of Unknown Organism: Sequence
US-09-651-200-24

Query Match
Best Local Similarity 14.3%; Score 241.5; DB 4; Length 534;
Query Similarity 31.1%; Pred. No. 2,4e-13;
Matches 79; Conservative 37; Mismatches 113; Indels 25; Gaps 6;

QY 47 ETEVGAMGGSNNVYLCSDIDPHRRHFNLSGLIYVWQIENPENSVTYLLPYKSPGINVDSXK 106
Db 253 EDPEVALVAGDATALRCFSFSPGFSLAQINLIMQITDTRKQVHSFTGRRQG---SAA 308
QY 107 NRGHLSIDSKQGSFELYLKNTYPODTQETFC---RYFNMTATELVKILEEVYRLRVA 162
Db 309 NRRLALPDLAAGNASLRLQGRVRADEGSFICFVSIRFGSAA-----VSLQVAA 358
QY 163 NESTPVIISTDSSN--PGQERTYTQMSKNGYEPENLYWINTTNSLIDTALQNNVTYLNK 220
Db 359 PYSKPSFTLEPPNKDLRPGDTVITITCSSYRGYDEAEVWQDQGVPL--TGNVTTSQMAN 416
QY 221 LGIYDVSTLRLEPMTSRGDVLCVENVVLAHONITISQASEFTGNNTKPOETHNNELVK 280
Db 417 QGLEDVHSVLRVYLVGANGTYSCLVANRPVLAQDAHG---SVITIGQPMTFPEALMYTGL 473
QY 281 LPEVLAVALAAAEV 294
Db 474 SVCIILALVALAEV 487

US-09-651-200-24
: Sequence 24, Application US/09651200
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: PRIOR FILING DATE: 2000-08-30
: PRIOR APPLICATION NUMBER: 60/152383
: PRIOR FILING DATE: 1999-09-03
: PRIOR APPLICATION NUMBER: 60/172909
: PRIOR FILING DATE: 1999-12-21
: PRIOR APPLICATION NUMBER: 60/183578
: PRIOR FILING DATE: 2000-02-18
: NUMBER OF SEQ ID NOS: 25
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 24
: LENGTH: 534
: TYPE: PRT
: ORGANISM: Unknown
: FEATURE:
: OTHER INFORMATION: Description of Unknown Organism: Sequence
US-09-651-200-24

Query Match
Best Local Similarity 14.3%; Score 241.5; DB 4; Length 534;
Query Similarity 31.1%; Pred. No. 2,4e-13;
Matches 79; Conservative 37; Mismatches 113; Indels 25; Gaps 6;

QY 47 ETEVGAMGGSNNVYLCSDIDPHRRHFNLSGLIYVWQIENPENSVTYLLPYKSPGINVDSXK 106
Db 253 EDPEVALVAGDATALRCFSFSPGFSLAQINLIMQITDTRKQVHSFTGRRQG---SAA 308
QY 107 NRGHLSIDSKQGSFELYLKNTYPODTQETFC---RYFNMTATELVKILEEVYRLRVA 162
Db 309 NRRLALPDLAAGNASLRLQGRVRADEGSFICFVSIRFGSAA-----VSLQVAA 358
QY 163 NESTPVIISTDSSN--PGQERTYTQMSKNGYEPENLYWINTTNSLIDTALQNNVTYLNK 220
Db 359 PYSKPSFTLEPPNKDLRPGDTVITITCSSYRGYDEAEVWQDQGVPL--TGNVTTSQMAN 416
QY 221 LGIYDVSTLRLEPMTSRGDVLCVENVVLAHONITISQASEFTGNNTKPOETHNNELVK 280
Db 417 QGLEDVHSVLRVYLVGANGTYSCLVANRPVLAQDAHG---SVITIGQPMTFPEALMYTGL 473
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Db 474 SVCIILALVALAEV 487

US-09-651-200-24
: Sequence 24, Application US/09651200
: Patent No. 6429303
: GENERAL INFORMATION:
: APPLICANT: Green et al
: TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
: TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
: FILE REFERENCE: 15966-562 (CURA-62)
: CURRENT APPLICATION NUMBER: US/09/651.200
: PRIOR FILING DATE: 2000-08-30
: PRIOR APPLICATION NUMBER: 60/152383
: PRIOR FILING DATE: 1999-09-03
: PRIOR APPLICATION NUMBER: 60/172909
: PRIOR FILING DATE: 1999-12-21
: PRIOR APPLICATION NUMBER: 60/183578
: PRIOR FILING DATE: 2000-02-18
: NUMBER OF SEQ ID NOS: 25
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 24
: LENGTH: 534
: TYPE: PRT
: ORGANISM: Unknown
: FEATURE:
: OTHER INFORMATION: Description of Unknown Organism: Sequence
US-09-651-200-24

Query Match
Best Local Similarity 14.3%; Score 241.5; DB 4; Length 534;
Query Similarity 31.1%; Pred. No. 2,4e-13;
Matches 79; Conservative 37; Mismatches 113; Indels 25; Gaps 6;

QY 47 ETEVGAMGGSNNVYLCSDIDPHRRHFNLSGLIYVWQIENPENSVTYLLPYKSPGINVDSXK 106
Db 253 EDPEVALVAGDATALRCFSFSPGFSLAQINLIMQITDTRKQVHSFTGRRQG---SAA 308
QY 107 NRGHLSIDSKQGSFELYLKNTYPODTQETFC---RYFNMTATELVKILEEVYRLRVA 162
Db 309 NRRLALPDLAAGNASLRLQGRVRADEGSFICFVSIRFGSAA-----VSLQVAA 358
QY 163 NESTPVIISTDSSN--PGQERTYTQMSKNGYEPENLYWINTTNSLIDTALQNNVTYLNK 220
Db 359 PYSKPSFTLEPPNKDLRPGDTVITITCSSYRGYDEAEVWQDQGVPL--TGNVTTSQMAN 416
QY 221 LGIYDVSTLRLEPMTSRGDVLCVENVVLAHONITISQASEFTGNNTKPOETHNNELVK 280
Db 417 QGLEDVHSVLRVYLVGANGTYSCLVANRPVLAQDAHG---SVITIGQPMTFPEALMYTGL 473
QY 281 LPEVLAVALAAAEV 294
Db 474 SVCIILALVALAEV 487

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: Sequence 24, Application US/09651200
: Patent No. 6429303
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: TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
: FILE REFERENCE: 15966-562 (CURA-62)
: CURRENT APPLICATION NUMBER: US/09/651.200
: PRIOR FILING DATE: 2000-08-30
: PRIOR APPLICATION NUMBER: 60/152383
: PRIOR FILING DATE: 1999-09-03
: PRIOR APPLICATION NUMBER: 60/172909
: PRIOR FILING DATE: 1999-12-21
: PRIOR APPLICATION NUMBER: 60/183578
: PRIOR FILING DATE: 2000-02-18
: NUMBER OF SEQ ID NOS: 25
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 24
: LENGTH: 534
: TYPE: PRT
: ORGANISM: Unknown
: FEATURE:
: OTHER INFORMATION: Description of Unknown Organism: Sequence
US-09-651-200-24

Query Match
Best Local Similarity 14.3%; Score 241.5; DB 4; Length 534;
Query Similarity 31.1%; Pred. No. 2,4e-13;
Matches 79; Conservative 37; Mismatches 113; Indels 25; Gaps 6;

QY 47 ETEVGAMGGSNNVYLCSDIDPHRRHFNLSGLIYVWQIENPENSVTYLLPYKSPGINVDSXK 106
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QY 107 NRGHLSIDSKQGSFELYLKNTYPODTQETFC---RYFNMTATELVKILEEVYRLRVA 162
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QY 221 LGIYDVSTLRLEPMTSRGDVLCVENVVLAHONITISQASEFTGNNTKPOETHNNELVK 280
Db 417 QGLEDVHSVLRVYLVGANGTYSCLVANRPVLAQDAHG---SVITIGQPMTFPEALMYTGL 473
QY 281 LPEVLAVALAAAEV 294
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US-09-651-200-24
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: TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
: FILE REFERENCE: 15966-562 (CURA-62)
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: PRIOR FILING DATE: 1999-09-03
: PRIOR APPLICATION NUMBER: 60/172909
: PRIOR FILING DATE: 1999-12-21
: PRIOR APPLICATION NUMBER: 60/183578
: PRIOR FILING DATE: 2000-02-18
: NUMBER OF SEQ ID NOS: 25
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 24
: LENGTH: 534
: TYPE: PRT
: ORGANISM: Unknown
: FEATURE
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GenCore version 5.1.4.P5\_4578  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 24, 2003, 16:25:54 ; Search time 11.7439 Seconds  
(without alignments)  
806.735 Million cell updates/sec

Title: US-09-728-420C-7

Perfect score: 1687

Sequence: 1 MQLKPCFVSLGTQRPVWKK.....RPHRSYTGPKTVLELTDHA 322

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

al number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued\_Patents\_AA:\*  
1: /cgn2\_6/ptodata/1/1aa/5A.COMB.pep:\*  
2: /cgn2\_6/ptodata/1/1aa/5B.COMB.pep:\*  
3: /cgn2\_6/ptodata/1/1aa/6A.COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/6B.COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/PCTUS.COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/Backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	241.5	14.3	340	US-09-651-200-2	Sequence 2, Appli
2	241.5	14.3	441	US-09-651-200-4	Sequence 4, Appli
3	241.5	14.3	534	US-09-651-200-6	Sequence 6, Appli
4	241.5	14.3	534	US-09-651-200-24	Sequence 24, Appli
5	181	10.7	329	US-09-651-200-19	Sequence 19, Appli
6	177	10.5	299	US-09-651-200-15	Sequence 15, Appli
7	175.5	10.4	323	US-09-651-200-21	Sequence 21, Appli
8	175.5	10.4	323	PCT-US94-09642-2	Sequence 2, Appli
9	175.5	10.4	329	US-08-456-104-2	Sequence 2, Appli
10	175.5	10.4	329	US-08-101-624-2	Sequence 2, Appli
11	175.5	10.4	329	US-08-479-744A-2	Sequence 2, Appli
12	175.5	10.4	329	US-08-280-757B-2	Sequence 2, Appli
13	175.5	10.4	329	US-08-205-697A-23	Sequence 23, Appli
14	175.5	10.4	329	US-08-702-525-23	Sequence 23, Appli
15	175.5	10.4	329	US-08-403-253A-4	Sequence 4, Appli
16	175.5	10.4	329	PCT-US95-02576-23	Sequence 23, Appli
17	175	10.4	303	US-09-651-200-23	Sequence 23, Appli
18	175	10.4	309	US-08-456-104-4	Sequence 4, Appli
19	175	10.4	309	US-08-479-744A-23	Sequence 23, Appli
20	175	10.4	309	US-08-280-757B-23	Sequence 23, Appli
21	175	10.4	309	US-08-205-697A-21	Sequence 21, Appli
22	175	10.4	309	US-08-702-525-21	Sequence 21, Appli
23	175	10.4	309	US-09-651-200-22	Sequence 22, Appli
24	175	10.4	309	PCT-US95-02576-21	Sequence 21, Appli
25	175	10.4	314	US-08-205-697A-13	Sequence 13, Appli
26	175	10.4	314	US-08-702-525-13	Sequence 13, Appli
27	175	10.4	314	PCT-US95-02576-13	Sequence 13, Appli

28	175	10.4	325	4	US-09-651-200-20	Sequence 20, Appli
29	172.5	10.2	329	4	US-09-651-200-18	Sequence 18, Appli
30	169	10.0	292	4	US-09-651-200-16	Sequence 16, Appli
31	165	9.8	288	4	US-09-651-200-14	Sequence 14, Appli
32	162	9.6	473	4	US-09-171-945-131	Sequence 131, App
33	160	9.5	288	2	US-08-147-772-2	Sequence 2, Appli
34	160	9.5	288	2	US-08-456-104-6	Sequence 6, Appli
35	160	9.5	288	2	US-08-101-624-23	Sequence 23, Appli
36	160	9.5	288	2	US-08-751-767A-6	Sequence 6, Appli
37	160	9.5	288	3	US-08-153-262-2	Sequence 2, Appli
38	160	9.5	288	3	US-08-479-744A-29	Sequence 29, Appli
39	160	9.5	288	4	US-08-280-757B-29	Sequence 29, Appli
40	160	9.5	288	4	US-09-159-135-2	Sequence 2, Appli
41	160	9.5	288	4	US-08-205-697A-19	Sequence 19, Appli
42	160	9.5	288	4	US-08-702-525-19	Sequence 19, Appli
43	160	9.5	288	4	US-09-450-798-2	Sequence 2, Appli
44	160	9.5	288	4	US-08-403-253A-2	Sequence 2, Appli
45	160	9.5	288	4	US-09-651-200-13	Sequence 13, Appli

#### ALIGNMENTS

RESULT 1

US-09-651-200-2

Sequence 2, Application US/09651200

Patent No. 6429303

GENERAL INFORMATION:

APPLICANT: Green et al

TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B

TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and

FILE REFERENCE: 15966-562 (CURA-62)

CURRENT APPLICATION NUMBER: US/09/651,200

CURRENT FILING DATE: 2000-08-30

PRIOR APPLICATION NUMBER: 60/152383

PRIOR FILING DATE: 1999-09-03

PRIOR APPLICATION NUMBER: 60/172909

PRIOR FILING DATE: 1999-12-21

PRIOR APPLICATION NUMBER: 60/183578

PRIOR FILING DATE: 2000-02-18

NUMBER OF SEQ ID NOS: 25

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 2

LENGTH: 340

TYPE: PRT

ORGANISM: Homo sapiens

US-09-651-200-2

Query Match

Best Local Similarity 31.1%; Pred. No. 1.2e-13; Length 340;

Matches 79; Conservative 37; Mismatches 113; Indels 25; Gaps 6;

QY	47	ETEGAVGWSNVVLSCTDIPHRHRHNLGSLVYWOIENPVSIVLYLPKSPGIVDSSYK	106
DB	59	EDPVVALGTIDTADHCSPEPGFSLTQNLIMQITLTKQLVHFTGROG-----SAY	114
QY	107	NRGHSLDSMGKGNPSLYLKAVTPODQEFNC-----RVFNMATLKLILEVYRLVAA	162
DB	115	NRTALFPPLLAQGNNSLRLQRYVADBSFTCEVSIHDFGSA-----VSLDYAA	164
QY	163	NFSPVISTSDSSN--PGQERTYTCMSKNGYPERNLVINTTNSLIDTALQNNVTYLNK	220
DB	165	PYSKPSMTLEPNKDLRPEDVTITICSSYRGYPERAEVFMQDQGVPL--TGNVITTSQANE	222
QY	221	LGILDIVISTLRLEPMTSRGDIACVENVALHONITISQAESFTGNNTKNPOETHNNELKV	280
DB	223	QGLEPVSRLVRLVGVANGTYSCLVRNPVYLQDAGH-----SVITIGQPMTFPEALMTVYGL	279
QY	281	LVPVLAIVAAAFV 294	
DB	280	SVCLIALLVLAFAV 293	

[illegible]

## RESULT 2

; Sequence 664, Application US/09866050A  
; Publication No. US20030040471A1

1. APPLICANT: Watson, James D.  
 2. APPLICANT: Strachan, Lorna  
 3. APPLICANT: Sleeman, Matthew  
 4. APPLICANT: Onrust, Rene  
 5. APPLICANT: Morrison, James G.  
 6. APPLICANT: Kumble, Krishnand D.  
 7. TITLE OF INVENTION: Compositions Isolated From Skin Cells  
 8. AND METHODS FOR THEIR USE  
 9. FILE REFERENCE: 11000.1011c4U  
 10. CURRENT APPLICATION NUMBER: US/09/866,050A  
 11. CURRENT FILING DATE: 2001-05-24

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;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 664
;; LENGTH: 307
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US-09-866-050A-664  
; ORGANISM: Rat

Query Match	60.0%	Score 1013;	DB 9;	Length 307;
Best Local Similarity	68.6%	Pred. No. 8.8e-67;		
Matches 208; Conservative	28;	Mismatches 59;	Indels 8;	Gaps 6;

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 Db 6 FFGSGGFLLELLFCGLCYEAETKEVYNAWVGSVELRCYYPRRSHSLDDLVLYNQIVDEAK 65  
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 Qy 86 VSNVYIYLP - YKSGCINWDSYKKNRHHSLDSMQGNSFLYKLVNTPDQIPEFCRYFAN 143  
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 Db 66 TVVYIYLPASNESSTIHSNYSKNNRAHSLDPMKEGFSFSLATLQVNTPDQIPEFCIYF - R 124  
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0Y 144 TATELVKILEEVRRLRVAAANSTPVISRSDSSNNGQERTYCMCKNGPEPNLYNTTDD 203

QY 204 NSLIDTALONNTVYLNKLGIVISITRLPMTSRGDVLCVENVALHONITSISOAESFT 263

DB 185 NTLIDETLQNNIVLNEIGLYBWSSTRIPMTPHADVICCEVNAALHQNTISISRADSFT 244

Db 245 GSMNTEPQEIHKREATKVLFLALALLAVVVFILVLRKRRRPPCQSYTGPRAVQLELT 304

QY	320	DMA	322
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### RESULT 3

US 09/785,561 A1  
; Sequence 136, Application US/09785561  
; Patent No. US20020064818A1

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; COUNTRY OF ORIGIN:
;
; APPLICANT: NI et al.
;
; TITLE OF INVENTION: 52 Human secreted proteins

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; CURRENT APPLICATION NUMBER: US/09/789,561  
 ; CURRENT FILING DATE: 2001-02-22

PRIOR APPLICATION NUMBER: PCT/US00/24008  
 PRIOR FILING DATE: 2000-08-31  
 PRIOR APPLICATION NUMBER: 60/152, 317  
 PRIOR FILING DATE: 1999-09-03  
 PRIOR APPLICATION NUMBER: 60/152, 315  
 PRIOR FILING DATE: 1999-09-03  
 NUMBER OF SEQ ID NOS: 194  
 SOFTWARE: PatentIn Ver. 2.0

; TYPE: PRT

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; ORIGIN: home page
; FEATURE:
; NAME/KEY: SITE
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US-09-789-561-136

OTHER INFORMATION: Xaa equals any of the naturally-occurring L-amino acids

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	Best Local Similarity	46.2%	Pred No. 14e-36		
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Db	7	GLFLFLPSSLRADTQKEVRYAMGSDVELSCACPEGSREPLDNDVYVYQWTSSEKTVVTVYH	66		

[illegible]

Db 126 LSXEVLTHVAANSVPVVSAPHS--PSQDELFTCTCSINGVPRPNVYMWINKTDSNLSLDOA 183

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Db      184 LQNDTVFLNMRGLDYVSVYRIARTPTSVNIGCCICENVLQONLTVGSQ-----TGNDIGER 239
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QY 267 --KKNQOETHNNEL--KVLAPVLAVLAAAFVSFIIRTRPRRSPGPTV--OLEL 318
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Db 240 DKITENVSSTGKNAATWSTLAVLCILVYVAIGWCNDRCLQH-STAGANAVSPETEL 298
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QY 319 TDH 321
      |||      |
Db 299 TGH 301
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#### RESULT 4

Sequence 212, Application US/10091438  
Publication No. US20030077606A1

APPLICANT: Rosen et al.  
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
PRT REFERENCE: 0877701

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: CURRENT APPLICATION NUMBER: 05/10/091,438
: CURRENT FILING DATE: 2001-01-17
: PRIORITY APPLICATION NUMBER: 00/764 870

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; PRIOR FILING DATE: 2001-01-1/  
 ; PRIOR APPLICATION NUMBER: 60/179,065  
 ; PRIOR FILING DATE: 2000-01-31

; PRIOR APPLICATION NUMBER: 60/180,628  
 ; PRIOR APPLICATION NUMBER: 60/214 886  
 ; PRIOR FILING DATE: 2000-02-04  
 ; PRIOR APPLICATION NUMBER: 60/214 886

; PRIOR FILING DATE: 2000-06-28  
 ; PRIOR APPLICATION NUMBER: 60/217,487  
 ; PRIOR FILING DATE: 2000-07-11

PRIOR APPLICATION NUMBER: 60/220,963  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 00/225,136  
PRIOR FILING DATE: 2000-08-14

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 ; PRIOR FILING DATE: 2000-07-20  
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 ; PRIOR APPLICATION NUMBER: 60/217,496  
 ;  
 ; PRIOR FILING DATE: 2000-07-11  
 ;

GenCore version 5.1.4.p5.4578  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: May 24, 2003, 16:36:40 ; Search time 16.3868 seconds  
(without alignments)  
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Title: US-09-728-420C-7  
Perfect score: 1687  
Sequence: 1 MOLKPCFVSLGTRQPVWKK.....RPHRSYTGKTVQLELTDHA 322

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 375593 seqs, 99172665 residues

al number of hits satisfying chosen parameters: 375593

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published\_Applications\_AA:\*

- 1: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB pep:\*
- 2: /cgn2\_6/ptodata/2/pubpaa/PC1\_NEW\_PUB pep:\*
- 3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB pep:\*
- 4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB pep:\*
- 5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB pep:\*
- 6: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB pep:\*
- 7: /cgn2\_6/ptodata/2/pubpaa/PC105\_PUBCOMB pep:\*
- 8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB pep:\*
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- 11: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB pep:\*
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- 14: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

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1	1687	100.0	322	US-09-910-174A-29	Sequence 29, App1
2	1013	60.0	307	US-09-866-050A-664	Sequence 664, App
3	600.5	35.6	302	US-09-789-561-136	Sequence 136, App
4	600.5	35.6	344	US-10-091-438-212	Sequence 212, App
5	600.5	35.6	344	US-09-764-853-812	Sequence 812, App
6	599.5	35.5	302	US-09-896-738-13	Sequence 13, App1
7	599.5	35.5	302	US-09-955-866-7	Sequence 7, App1
8	598.5	35.5	302	US-09-915-789A-18	Sequence 18, App1
9	598.5	35.5	343	US-09-764-853-330	Sequence 630, App
10	598.5	35.5	345	US-10-091-438-210	Sequence 210, App
11	598.5	35.5	345	US-09-764-853-810	Sequence 810, App
12	598.5	35.5	370	US-10-091-438-150	Sequence 150, App
13	594.5	35.2	309	US-09-910-174A-7	Sequence 7, App1
14	550.5	32.6	241	US-09-915-789A-11	Sequence 11, App1
15	249	14.8	316	US-09-790-622-4	Sequence 4, App1
16	249	14.8	316	US-09-789-561-135	Sequence 135, App
17	247	14.6	316	US-09-978-295A-137	Sequence 137, App
18	247	14.6	316	US-09-896-738-14	Sequence 14, App1
19	247	14.6	316	US-09-978-697-137	Sequence 137, App

20	247	14.6	316	9	US-09-978-192A-137	Sequence 137, App
21	247	14.6	316	9	US-09-999-832A-137	Sequence 137, App
22	247	14.6	316	9	US-09-978-189-137	Sequence 137, App
23	247	14.6	316	9	US-10-174-590-54	Sequence 54, App1
24	247	14.6	316	9	US-10-176-758-54	Sequence 54, App1
25	247	14.6	316	9	US-10-175-737-54	Sequence 54, App1
26	247	14.6	316	9	US-10-173-706-54	Sequence 54, App1
27	247	14.6	316	9	US-10-175-738-54	Sequence 54, App1
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29	247	14.6	316	9	US-10-176-482-54	Sequence 54, App1
30	247	14.6	316	9	US-10-176-757-54	Sequence 54, App1
31	247	14.6	316	9	US-10-176-913-54	Sequence 54, App1
32	247	14.6	316	9	US-10-180-512-54	Sequence 54, App1
33	247	14.6	316	9	US-10-180-552-54	Sequence 54, App1
34	247	14.6	316	9	US-10-180-557-54	Sequence 54, App1
35	247	14.6	316	9	US-10-173-700-54	Sequence 54, App1
36	247	14.6	316	9	US-10-174-572-54	Sequence 54, App1
37	247	14.6	316	9	US-10-174-579-54	Sequence 54, App1
38	247	14.6	316	9	US-10-174-582-54	Sequence 54, App1
39	247	14.6	316	9	US-10-175-739-54	Sequence 54, App1
40	247	14.6	316	9	US-10-175-740-54	Sequence 54, App1
41	247	14.6	316	9	US-10-175-743-54	Sequence 54, App1
42	247	14.6	316	9	US-10-176-488-54	Sequence 54, App1
43	247	14.6	316	9	US-10-176-492-54	Sequence 54, App1
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45	247	14.6	316	9	US-10-176-750-54	Sequence 54, App1

## ALIGNMENTS

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Sequence 29, Application US/09910174A  
Patient No. US20020106730A1  
GENERAL INFORMATION:  
APPLICANT: Coyle, Anthony J.  
APPLICANT: Fraser, Christopher C.  
TITLE OF INVENTION: B7-H2 Molecules, No. US20020106730A1 Members of the B7  
TITLE OF INVENTION: Family and Uses Thereof  
FILE REFERENCE: 35800/236924  
CURRENT APPLICATION NUMBER: US/09/910, 174A  
PRIOR FILING DATE: 2001-07-20  
PRIOR APPLICATION NUMBER: US 09/620,461  
NUMBER OF SEQ ID NOS: 32  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 29  
LENGTH: 322  
TYPE: PRT  
ORGANISM: Mus musculus  
US-09-910-174A-29

Query Match 100.0%; Score 1687; DB 10; Length 322;  
Best local similarity 100.0%; Pred. No. 4e-116;  
Matches 322; Conservative 0; Mismatches 0; Indels 0; Caps 0;

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QY 61 SCIDPDRHFNLSGLYVWQJENFEVSVTYLPLPKKPCINVDSSYKKNRGHLSLDMQGN 120  
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QY 181 RTYTCMSKNGYPERPLVYINTDNLSDLPALQNNTVYLKGLVDVISTLRPLPTSGDV 240  
DB 181 RTYTCMSKNGYPERPLVYINTDNLSDLPALQNNTVYLKGLVDVISTLRPLPTSGDV 240

GenCore version 5.1.4.p5.4578  
Copyright (c) 1993 - 2003 Compugen Ltd.

## OM protein - protein search, using sw model

Run on: May 24, 2003, 16:36:40 ; Search time 14.6565 seconds

(without alignments)  
1948.743 Million cell updates/sec

Title: US-09-728-420C-12

Perfect score: 1495  
Sequence: 1 MRGSPGLLFLLFSSLRADT.....VAVAIGWVCRDRLQHSYAG 288Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 375593 seqs, 99172665 residues

al number of hits satisfying chosen parameters: 375593

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published\_Applications\_AA:\*

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3: /cgn2_6/ptodata/2/pubpaa/US06_NEM_PUB pep: *
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB pep: *
5: /cgn2_6/ptodata/2/pubpaa/US07_NEM_PUB pep: *
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1495	100.0	302	9	US-09-896-738-13
2	1495	100.0	302	10	US-09-955-866-7
3	1495	100.0	309	10	US-09-910-174A-7
4	1494	99.9	302	9	US-09-915-789A-18
5	1494	99.9	343	10	US-09-764-853-630
6	1494	99.9	345	9	US-10-091-438-210
7	1494	99.9	345	10	US-09-764-853-810
8	1494	99.9	370	9	US-10-091-438-150
9	1490	99.7	302	10	US-09-789-561-136
10	1490	99.7	344	9	US-10-091-438-212
11	1490	99.7	344	10	US-09-764-853-812
12	1248	83.5	241	9	US-09-915-789A-11
13	673.5	45.1	307	9	US-09-866-050A-664
14	588.5	39.4	322	10	US-09-910-174A-29
15	294.5	19.7	316	9	US-09-915-789A-1
16	294.5	19.7	316	9	US-10-077-023-13
17	294.5	19.7	316	9	US-10-156-424A-2
18	294.5	19.7	316	9	US-10-156-424A-28
19	294.5	19.7	316	10	US-09-875-338-13

20	294.5	19.7	316	10	US-09-910-174A-24	Sequence 24, Appl
21	293.5	19.6	316	9	US-10-077-023-11	Sequence 11, Appl
22	293.5	19.6	316	10	US-09-875-338-11	Sequence 11, Appl
23	292.5	19.6	316	9	US-09-915-789A-3	Sequence 3, Appl
24	290.5	19.4	316	9	US-09-978-295A-137	Sequence 137, App
25	290.5	19.4	316	9	US-09-896-738-14	Sequence 14, Appl
26	290.5	19.4	316	9	US-09-978-697-137	Sequence 137, App
27	290.5	19.4	316	9	US-09-978-192A-137	Sequence 137, App
28	290.5	19.4	316	9	US-09-999-832A-137	Sequence 137, App
29	290.5	19.4	316	9	US-09-790-622-4	Sequence 4, Appl
30	290.5	19.4	316	9	US-09-978-189-137	Sequence 137, App
31	290.5	19.4	316	9	US-10-174-590-54	Sequence 54, Appl
32	290.5	19.4	316	9	US-10-176-758-54	Sequence 54, Appl
33	290.5	19.4	316	9	US-10-175-737-54	Sequence 54, Appl
34	290.5	19.4	316	9	US-10-173-706-54	Sequence 54, Appl
35	290.5	19.4	316	9	US-10-175-738-54	Sequence 54, Appl
36	290.5	19.4	316	9	US-10-175-752-54	Sequence 54, Appl
37	290.5	19.4	316	9	US-10-176-482-54	Sequence 54, Appl
38	290.5	19.4	316	9	US-10-176-757-54	Sequence 54, Appl
39	290.5	19.4	316	9	US-10-176-913-54	Sequence 54, Appl
40	290.5	19.4	316	9	US-10-180-552-54	Sequence 54, Appl
41	290.5	19.4	316	9	US-10-180-557-54	Sequence 54, Appl
42	290.5	19.4	316	9	US-10-173-700-54	Sequence 54, Appl
43	290.5	19.4	316	9	US-10-174-572-54	Sequence 54, Appl
44	290.5	19.4	316	9	US-10-174-579-54	Sequence 54, Appl
45	290.5	19.4	316	9	US-10-174-582-54	Sequence 54, Appl

## ALIGNMENTS

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RESULT 1
US-09-896-738-13
: Sequence 13, Application US/09896738
: Patent No. US20020165347A1
: GENERAL INFORMATION:
: APPLICANT: Fox, Michael
: APPLICANT: Sullivan, John K.
: TITLE OF INVENTION: B7-Like Molecules and Uses Thereof
: FILE REFERENCE: 00-513-A
: CURRENT APPLICATION NUMBER: US/09/896,738
: CURRENT FILING DATE: 2001-06-29
: PRIOR APPLICATION NUMBER: 60/215,645
: PRIOR FILING DATE: 2000-06-30
: NUMBER OF SEQ ID NOS: 23
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 13
: LENGTH: 302
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-896-738-13
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Matches 288;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
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DB 1	MRGSPGLLFLLFSSLRADTQEKFRVAVGSDVELSCACPGSRFDLNDVYVWQTSK 60			
OY 61	TVVTYTHIQNSLSLEWDSRYRNRALMSGFSLRLFNVPPODEQKFCVLQSOL 120			
DB 61	TVVTYTHIQNSLSLEWDSRYRNRALMSGFSLRLFNVPPODEQKFCVLQSOL 120			
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DB 121	GFOEVLSEVTLHVAANSVPVVSAPHSPODELFTCTSTNGVPRPNVYVWQTSK 180			
OY 181	DOALNDVFPVFLNMGRLVYVSVLRARTPPSVNIGCCTENVLQONLVGSGNDIGERD 240			
DB 181	DOALNDVFPVFLNMGRLVYVSVLRARTPPSVNIGCCTENVLQONLVGSGNDIGERD 240			

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Db 241 KITEMPVSTGEKNAATWSILAVCLLVYVAVAIGWCDRCLOHSHYAG 288

## RESULT 2

US-09-955-866-7  
; Sequence 7, Application US/09955866  
; Patent No. US20020107363A1  
; GENERAL INFORMATION:  
; APPLICANT: Fox, Michael  
; APPLICANT: Sullivan, John K.  
; APPLICANT: Holist, Paige  
; APPLICANT: Yoshinaga, Steven Kiyoshi  
; TITLE OF INVENTION: B7-Like Polypeptides and Uses Thereof  
; FILE REFERENCE: 00,759-A  
; CURRENT APPLICATION NUMBER: US/09/955,866  
; PRIOR FILING DATE: 2001-09-19  
; PRIOR APPLICATION NUMBER: 60/233,867  
; SOFTWARE: Patentln Ver. 2.0  
; SEQ ID NO 7  
; LENGTH: 302  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-955-866-7

Query Match 100.0%; Score 1495; DB 10; Length 302;  
Best Local Similarity 100.0%; Pred. No. 4,3e-117;  
Matches 288; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 61 TVVYTHIPQNSSLENDVSRYRNRAALMSGDPSLRLEFNTVPODEOKFHCIVLSQSL 120  
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Qy 241 KITEMPVSTGEKNAATWSILAVCLLVYVAVAIGWCDRCLOHSHYAG 288  
Db 241 KITEMPVSTGEKNAATWSILAVCLLVYVAVAIGWCDRCLOHSHYAG 288

## RESULT 3

US-09-910-174A-7  
; Sequence 7, Application US/09910174A  
; Patent No. US20020106730A1  
; GENERAL INFORMATION:  
; APPLICANT: Coyle, Anthony J.  
; APPLICANT: Fraser, Christopher C.  
; APPLICANT: Manning, Stephen  
; TITLE OF INVENTION: B7-H2 Molecules, No. US20020106730A1 Members of the B7  
; FILE REFERENCE: 35800/236924  
; CURRENT APPLICATION NUMBER: US/09/910,174A  
; PRIOR FILING DATE: 2001-07-20  
; PRIOR APPLICATION NUMBER: US 09/620,461  
; NUMBER OF SEQ ID NOS: 32  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 7  
; LENGTH: 309  
; TYPE: PRT

; ORGANISM: Homo sapiens  
US-09-910-174A-7

Query Match 100.0%; Score 1495; DB 10; Length 309;  
Best Local Similarity 100.0%; Pred. No. 4,3e-117;  
Matches 288; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 61 TVVYTHIPQNSSLENDVSRYRNRAALMSGDPSLRLEFNTVPODEOKFHCIVLSQSL 120  
Db 61 TVVYTHIPQNSSLENDVSRYRNRAALMSGDPSLRLEFNTVPODEOKFHCIVLSQSL 120  
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Db 121 GFOEVLSEVTLHVAANFSVPVVSAPHSODELFTCTCSINGYPRPNVYVWQTSSEK 180  
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Db 181 DOALONDVFLNMRGLYDVVSRLIARTPSVNIACCIEENVLLQONLTVGSOTGNDIGERD 240  
Qy 241 KITEMPVSTGEKNAATWSILAVCLLVYVAVAIGWCDRCLOHSHYAG 288  
Db 241 KITEMPVSTGEKNAATWSILAVCLLVYVAVAIGWCDRCLOHSHYAG 288

## RESULT 4

US-09-915-789A-18  
; Sequence 18, Application US/09915789A  
; Patent No. US20020168762A1  
; GENERAL INFORMATION:  
; APPLICANT: Chen, Lieping  
; TITLE OF INVENTION: B7-H3 AND B7-H4, NOVEL IMMUNOREGULATOR  
; FILE REFERENCE: 07039-219001  
; CURRENT APPLICATION NUMBER: US/09/915,789A  
; PRIOR FILING DATE: 2002-06-04  
; PRIOR APPLICATION NUMBER: US 60/220,991  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 18  
; LENGTH: 302  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-915-789A-18

Query Match 99.9%; Score 1494; DB 9; Length 302;  
Best Local Similarity 99.7%; Pred. No. 5,1e-117;  
Matches 287; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Db 61 TVVYTHIPQNSSLENDVSRYRNRAALMSGDPSLRLEFNTVPODEOKFHCIVLSQSL 120  
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RESULT 5
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; Patent No. US20020090672A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P1206
; CURRENT APPLICATION NUMBER: US/09/764,853
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 939
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 630
; LENGTH: 343
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-853-630
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DB 222 DQALQNDYVFLNKRGLDYVSVLRLARPSVNIQCCIEVLLQNLTVGSQFGNDIGERD 281
QY 241 KITEENVSIGEKNAATWLSILAVLCILVYVAVALGWGCRRCIOHSHAG 288
DB 282 KITEENVSIGEKNAATWLSILAVLCILVYVAVALGWGCRRCIOHSHAG 329

RESULT 6
US-10-091-438-210
Sequence 210, Application US/10091438
Publication No. US20030077606A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT217C1
; CURRENT APPLICATION NUMBER: US/10/091,438
; CURRENT FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,879
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/214,886
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: 60/217,487
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,758
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,963
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; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/237,038
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/236,370
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;; PRIOR FILING DATE: 2000-09-29  
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;; PRIOR FILING DATE: 2000-09-08

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;; PRIOR FILING DATE: 2000-09-08

Query Match 99.9%; Score 1494; DB 9; Length 345;  
Best Local Similarity 99.7%; Pred. No. 6e-117;  
Matches 287; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGSPGLFLFLPSLRADPQKEKVRAMVSGDVELSCACPEGSRFDLNDVYYWQTSSEK 60  
DB 44 MRGSPGLFLFLPSLRADPQKEKVRAMVSGDVELSCACPEGSRFDLNDVYYWQTSSEK 103  
QY 61 TVVYTHIPQNSLENDSDRYNRALMSAPGMLRGDFSRLFNVTPODEQKFKHCLVLSQSL 120  
DB 104 TVVYTHIPQNSLENDSDRYNRALMSAPGMLRGDFSRLFNVTPODEQKFKHCLVLSQSL 163  
QY 121 GFQGVLSVEVTLVVAANFVSPVVSAPHSPODELFTCTISINXPRPNYWKNTNSLL 180  
DB 164 GFQGVLSIEVTLVVAANFVSPVVSAPHSPODELFTCTISINXPRPNYWKNTNSLL 223  
QY 181 DQALQNDTVFLNMGGLDYVSVLRARTPSVNIQCCIEVLLQONLTVGSQGTNDIGERD 240  
DB 224 DQALQNDTVFLNMGGLDYVSVLRARTPSVNIQCCIEVLLQONLTVGSQGTNDIGERD 283  
QY 241 KITEPNVSTGEKNAATWSILAVICLLVYVAVAIGWCRDRCLQHSYAG 288  
DB 284 KITEPNVSTGEKNAATWSILAVICLLVYVAVAIGWCRDRCLQHSYAG 331

RESULT 7  
US-09-764-853-810  
;; Sequence 810, Application US/09764853  
;; Patent No. US20020090672A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Rosen et al.  
;; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
;; FILE REFERENCE: P0206  
;; CURRENT APPLICATION NUMBER: US/09/764,853  
;; PRIOR FILING DATE: 2001-01-17  
;; Prior application data removed - consult PALM or file wrapper  
;; NUMBER OF SEQ ID NOS: 939  
;; SOFTWARE: PatentIn Ver. 2.0  
;; SEQ ID NO 810  
;; LENGTH: 345  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-09-764-853-810



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Query Match          99.9%; Score 1494; DB 10; Length 345;
Best Local Similarity 99.7%; Pred.No. 66-117;
Matches 287; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGSGGLFLEFSSLRADTQKEEVAAAGSDVELSCACPEGSRFDLNDVYVWJTSSEK 60
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Db 44 MRGSGGLFLEFSSLRADTQKEEVAAAGSDVELSCACPEGSRFDLNDVYVWJTSSEK 103
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QY 61 TVVTHIPONSSLENDSTRNRNALMSPAGMLRGDSLPLFNTPODEKFCIVLSOSTL 120
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Db 104 TVVTHIPONSSLENDSTRNRNALMSPAGMLRGDSLPLFNTPODEKFCIVLSOSTL 163
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QY 121 GFOEVLSEVETLHVAAAFSVPVVSAHPSPODELFTCTCSINGYPRPNVYWKTDNSLL 180
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Db 164 GFOEVLSEVETLHVAAAFSVPVVSAHPSPODELFTCTCSINGYPRPNVYWKTDNSLL 223
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QY 181 DQALQNDYFELNMRGLYDVVSVLRIRKRTSVNIGCCIEVNLQONLTVSSQIGNDIGERD 240
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Db 224 DQALQNDYFELNMRGLYDVVSVLRIRKRTSVNIGCCIEVNLQONLTVSSQIGNDIGERD 283
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241 KITEPNVSTGEKNAATWSILAAVCLLVVAAIGWYCRDRCLOHSHYAG 288
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Db 284 KITEPNVSTGEKNAATWSILAAVCLLVVAAIGWYCRDRCLOHSHYAG 331
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RESULT 8
US-10-091-438-150
; Sequence 150, Application US/10091438
; Publication No. US20030077606A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT217C1
; CURRENT APPLICATION NUMBER: US/10/091,438
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,879
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; PRIOR APPLICATION NUMBER: 60/179,065
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; PRIOR FILING DATE: 2000-02-04
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PRIOR APPLICATION NUMBER: 60/246,475  
PRIOR FILING DATE: 2000-11-08  
PRIOR APPLICATION NUMBER: 60/231,243  
PRIOR FILING DATE: 2000-09-08

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Best Local Similarity 99.7%; Score 1494; DB 9; Length 370;  
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DB 69 MRGSPGLFLFLFSSLRADTQKEKVRAMGSDVELSCACPEGRFPLNDVYYWQTSSEK 128

QY 61 TTVTYHHPQNSSLENDSDRYRNRALMSPAGMLKGFDSLRLFNVTPODEOKFHCLVLSQSL 120  
DB 129 TTVTYHHPQNSSLENDSDRYRNRALMSPAGMLKGFDSLRLFNVTPODEOKFHCLVLSQSL 188

QY 121 GFGVLSVEYTLHVAANFSPVYASAPHSPODELFTCTGINSXPBNYWKTDNSLL 180  
DB 189 GFGVLSIEYTLHVAANFSPVYASAPHSPODELFTCTGINSXPBNYWKTDNSLL 248

QY 181 DQALNDTVFLNMRGLDYVSVLRIARTPSVNGCCIEENVLQOQLTVGSQTGNDIGERD 240  
DB 249 DQALNDTVFLNMRGLDYVSVLRIARTPSVNGCCIEENVLQOQLTVGSQTGNDIGERD 308

QY 241 KITEPNVSTGEKNAATWSILAVLCLLVVAIVAIGWCRCRCLQHSYAG 288  
DB 309 KITEPNVSTGEKNAATWSILAVLCLLVVAIVAIGWCRCRCLQHSYAG 356

RESULT 9  
US-09-789-561-136  
Sequence 136, Application US/09789561  
Patent No. US2002064818A1  
GENERAL INFORMATION:  
APPLICANT: NI et al.  
TITLE OF INVENTION: 52 Human secreted proteins  
FILE REFERENCE: P2043P1  
CURRENT APPLICATION NUMBER: US/09/789,561  
CURRENT FILING DATE: 2001-02-22  
PRIOR APPLICATION NUMBER: PCT/US00/24008  
PRIOR FILING DATE: 2000-08-31  
PRIOR APPLICATION NUMBER: 60/152,317  
PRIOR FILING DATE: 1999-09-03  
PRIOR APPLICATION NUMBER: 60/152,315  
PRIOR FILING DATE: 1999-09-03  
NUMBER OF SEQ ID NOS: 194  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 136  
LENGTH: 302  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: SITE  
LOCATION: (128)  
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-09-789-561-136

Query Match  
Best Local Similarity 99.7%; Score 1490; DB 10; Length 302;  
Pred. No. 1,1e-116;  
Matches 287; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MRGSPGLFLFLFSSLRADTQKEKVRAMGSDVELSCACPEGRFPLNDVYYWQTSSEK 60  
DB 1 MRGSPGLFLFLFSSLRADTQKEKVRAMGSDVELSCACPEGRFPLNDVYYWQTSSEK 60

QY 61 TTVTYHHPQNSSLENDSDRYRNRALMSPAGMLKGFDSLRLFNVTPODEOKFHCLVLSQSL 120  
DB 61 TTVTYHHPQNSSLENDSDRYRNRALMSPAGMLKGFDSLRLFNVTPODEOKFHCLVLSQSL 120

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Oy 121 GFEVLSVEVTLHVAANFSPVVPVSPSPODELTFETCSINGPRPNVWINKTNSLL 180
Db 121 GFQEVLSXEVTLHVAANFSPVVPVSPSPODELTFETCSINGPRPNVWINKTNSLL 180
Oy 181 DOALQNTVFLNMGLVDVVSVLRIATPSPVNI GCCIEENLLQONLTVSGSQTGNDIGERD 240
Db 181 DOALQNTVFLNMGLVDVVSVLRIATPSPVNI GCCIEENLLQONLTVSGSQTGNDIGERD 240
Oy 241 KITEPNVSTGEKNAATWSILAVLCCLVVAVAVAIGWCRDRCLQHSYAG 288
Db 241 KITEPNVSTGEKNAATWSILAVLCCLVVAVAVAIGWCRDRCLQHSYAG 288

RESULT 10
US-10-091-438-212
Sequence 212, Application US/10091438
Publication No. US20030077606A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PR217C1
CURRENT APPLICATION NUMBER: US/10/091,438
CURRENT FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,879
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 60/119,065
PRIOR FILING DATE: 2000-01-31
PRIOR APPLICATION NUMBER: 60/180,628
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: 60/214,886
PRIOR FILING DATE: 2000-06-28
PRIOR APPLICATION NUMBER: 60/217,487
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/225,758
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/220,963
PRIOR FILING DATE: 2000-07-26
PRIOR APPLICATION NUMBER: 60/217,496
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/225,447
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/218,290
PRIOR FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: 60/225,757
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/226,868
PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: 60/216,647
PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: 60/225,267
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/216,880
PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: 60/225,270
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/251,869
PRIOR FILING DATE: 2000-12-08
PRIOR APPLICATION NUMBER: 60/235,834
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: 60/234,274
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: 60/224,223
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: 60/228,924
PRIOR FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/224,518
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/226,369
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/224,519
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/220,964

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4	PRIOR APPLICATION NUMBER: 60/249, 299	
5	PRIOR FILING DATE: 2000-11-17	
6	PRIOR APPLICATION NUMBER: 60/236, 337	
7	PRIOR FILING DATE: 2000-09-29	
8	PRIOR APPLICATION NUMBER: 60/241, 785	
9	PRIOR FILING DATE: 2000-10-20	
10	PRIOR APPLICATION NUMBER: 60/244, 617	
11	PRIOR FILING DATE: 2000-11-01	
12	PRIOR APPLICATION NUMBER: 60/225, 268	
13	PRIOR FILING DATE: 2000-08-14	
14	PRIOR APPLICATION NUMBER: 60/236, 368	
15	PRIOR FILING DATE: 2000-09-29	
16	PRIOR APPLICATION NUMBER: 60/251, 856	
17	PRIOR FILING DATE: 2000-12-08	
18	PRIOR APPLICATION NUMBER: 60/251, 868	
19	PRIOR FILING DATE: 2000-12-08	
20	PRIOR APPLICATION NUMBER: 60/229, 344	
21	PRIOR FILING DATE: 2000-09-01	
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23	PRIOR FILING DATE: 2000-09-25	
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31	PRIOR FILING DATE: 2000-09-05	
32	PRIOR APPLICATION NUMBER: 60/231, 413	
33	PRIOR FILING DATE: 2000-09-08	
34	PRIOR APPLICATION NUMBER: 60/229, 509	
35	PRIOR FILING DATE: 2000-09-05	
36	PRIOR APPLICATION NUMBER: 60/236, 367	
37	PRIOR FILING DATE: 2000-09-29	
38	PRIOR APPLICATION NUMBER: 60/237, 039	
39	PRIOR FILING DATE: 2000-10-02	
40	PRIOR APPLICATION NUMBER: 60/237, 038	
41	PRIOR FILING DATE: 2000-10-02	
42	PRIOR APPLICATION NUMBER: 60/237, 040	
43	PRIOR FILING DATE: 2000-10-02	
44	PRIOR APPLICATION NUMBER: 60/240, 960	
45	PRIOR FILING DATE: 2000-10-20	
46	PRIOR APPLICATION NUMBER: 60/239, 935	
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49	PRIOR FILING DATE: 2000-10-13	
50	PRIOR APPLICATION NUMBER: 60/241, 787	
51	PRIOR FILING DATE: 2000-10-20	
52	PRIOR APPLICATION NUMBER: 60/246, 474	
53	PRIOR FILING DATE: 2000-11-08	
54	PRIOR APPLICATION NUMBER: 60/246, 532	
55	PRIOR FILING DATE: 2000-11-08	
56	PRIOR APPLICATION NUMBER: 60/249, 216	
57	PRIOR FILING DATE: 2000-11-17	
58	PRIOR APPLICATION NUMBER: 60/249, 210	
59	PRIOR FILING DATE: 2000-11-17	
60	PRIOR APPLICATION NUMBER: 60/226, 681	
61	PRIOR FILING DATE: 2000-08-22	
62	PRIOR APPLICATION NUMBER: 60/225, 759	
63	PRIOR FILING DATE: 2000-08-14	
64	PRIOR APPLICATION NUMBER: 60/225, 213	
65	PRIOR FILING DATE: 2000-08-14	
66	PRIOR APPLICATION NUMBER: 60/227, 182	
67	PRIOR FILING DATE: 2000-08-22	

PRIOR APPLICATION NUMBER: 60/225,214  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/235,836  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: 60/230,438  
PRIOR FILING DATE: 2000-09-06  
PRIOR APPLICATION NUMBER: 60/215,135  
PRIOR FILING DATE: 2000-06-30  
PRIOR APPLICATION NUMBER: 60/225,266  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/249,218  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,208  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,213  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,212  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,207  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,245  
PRIOR FILING DATE: 2000-11-17  
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PRIOR FILING DATE: 2000-11-17  
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PRIOR APPLICATION NUMBER: 60/249,214  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,297  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/232,400  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/231,242  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/232,081  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/232,080  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/231,414  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/231,244  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/233,064  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/233,063  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/232,397  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/232,399  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/232,401  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/241,808  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/241,826  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/241,786  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/241,221  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/246,475  
PRIOR FILING DATE: 2000-11-08  
PRIOR APPLICATION NUMBER: 60/231,243  
PRIOR FILING DATE: 2000-09-08

Query Match 99.7%; Score 1490; DB 9; Length 344;  
Best Local Similarity 99.7%; Pred. No. 1.3e-116;

Matches 287; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 1 MRLGSPQLFLFLSSLRADTQKEKVRAMVSGDVELSCACPEGSRFDLNDVYVYVWQTSSEK 60  
DB 43 MRLGSPQLFLFLSSLRADTQKEKVRAMVSGDVELSCACPEGSRFDLNDVYVYVWQTSSEK 102  
QY 61 TVVYTHIPQNSLENDVSRNRALMSPAGMLRGDFSLRFNTVPODECKFHCLVLSQSL 120  
DB 103 TVVYTHIPQNSLENDVSRNRALMSPAGMLRGDFSLRFNTVPODECKFHCLVLSQSL 162  
QY 121 GPEVLSVEVTLHVAANFVSVVAPHSQSODELFTCTISINSYPRPNYVWINKTNSLL 180  
DB 163 GPEVLSVEVTLHVAANFVSVVAPHSQSODELFTCTISINSYPRPNYVWINKTNSLL 222  
QY 181 DQALQNTVFLNMRGLDYVSVLRARTSPVNGCCIEVNLQONTLVSSQGTNDIGERD 240  
DB 223 DQALQNTVFLNMRGLDYVSVLRARTSPVNGCCIEVNLQONTLVSSQGTNDIGERD 282  
QY 241 KTEENPVSTGEKNAATWSILAVLCLLVVAVAGWCRDCLQHSYAG 288  
DB 283 KTEENPVSTGEKNAATWSILAVLCLLVVAVAGWCRDCLQHSYAG 330  
RESULT 11  
US-09-764-853-812  
Sequence 812, Application US/09764853  
Patent No. US20020090672A1  
GENERAL INFORMATION:  
APPLICANT: Rosen et al.  
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
FILE REFERENCE: P206  
CURRENT APPLICATION NUMBER: US/09/764,853  
CURRENT FILING DATE: 2001-01-17  
Prior application data removed - consult PALM or file wrapper  
NUMBER OF SEQ ID NOS: 939  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 812  
LENGTH: 344  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: SITE  
LOCATION: (170)  
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-09-764-853-812

Query Match 99.7%; Score 1490; DB 10; Length 344;  
Best Local Similarity 99.7%; Pred. No. 1.3e-116;  
Matches 287; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MRLGSPQLFLFLSSLRADTQKEKVRAMVSGDVELSCACPEGSRFDLNDVYVYVWQTSSEK 60  
DB 43 MRLGSPQLFLFLSSLRADTQKEKVRAMVSGDVELSCACPEGSRFDLNDVYVYVWQTSSEK 102  
QY 61 TVVYTHIPQNSLENDVSRNRALMSPAGMLRGDFSLRFNTVPODECKFHCLVLSQSL 120  
DB 103 TVVYTHIPQNSLENDVSRNRALMSPAGMLRGDFSLRFNTVPODECKFHCLVLSQSL 162  
QY 121 GPEVLSVEVTLHVAANFVSVVAPHSQSODELFTCTISINSYPRPNYVWINKTNSLL 180  
DB 163 GPEVLSVEVTLHVAANFVSVVAPHSQSODELFTCTISINSYPRPNYVWINKTNSLL 222  
QY 181 DQALQNTVFLNMRGLDYVSVLRARTSPVNGCCIEVNLQONTLVSSQGTNDIGERD 240  
DB 223 DQALQNTVFLNMRGLDYVSVLRARTSPVNGCCIEVNLQONTLVSSQGTNDIGERD 282  
QY 241 KTEENPVSTGEKNAATWSILAVLCLLVVAVAGWCRDCLQHSYAG 288  
DB 283 KTEENPVSTGEKNAATWSILAVLCLLVVAVAGWCRDCLQHSYAG 330

RESULT 12  
US-09-915-789A-11

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; Sequence 11, Application US/09915789A
; Patent No. US20020168762A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Lieping
; TITLE OF INVENTION: B7-H3 AND B7-H4, NOVEL IMMUNOREGULATORY
; MOLECULES
; FILE REFERENCE: 07039-219001
; CURRENT APPLICATION NUMBER: US/09/915,789A
; CURRENT FILING DATE: 2002-06-04
; PRIOR APPLICATION NUMBER: US 60/220,991
; PRIOR FILING DATE: 2000-07-27
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 241
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-915-789A-11

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Query Match 83.5%; Score 1248; DB 9; Length 241;

Best Local Similarity 99.6%; Pred. No. 1.3e-96;

Matches 240; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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QY 16 LRADTQKEVRAMGSDVELSCACPEGSRFDLNDVYVWQTSSEKTYVTHIIPONSSLEN 75
Db 1 LRADTQKEVRAMGSDVELSCACPEGSRFDLNDVYVWQTSSEKTYVTHIIPONSSLEN 60
QY 76 VDSRRNRALMSPAGMLRGDFSLRLEFNTPODEKHFCLVLSQSLGFEVLSIEVTLHVA 135
Db 61 VDSRRNRALMSPAGMLRGDFSLRLEFNTPODEKHFCLVLSQSLGFEVLSIEVTLHVA 120
QY 136 ANFSVVPVSAHPSPQDELFTCTCSINGYPRPNVYWKNTDNLSDLAQNDVFLNMRG 195
Db 121 ANFSVVPVSAHPSPQDELFTCTCSINGYPRPNVYWKNTDNLSDLAQNDVFLNMRG 180
QY 196 LYDVVSVLRATPSPVNIACCLENLLQNLTVSGQTGNDIGERKKTENPVYSGEKMAA 255
Db 181 LYDVVSVLRATPSPVNIACCLENLLQNLTVSGQTGNDIGERKKTENPVYSGEKMAA 240
QY 256 T 256
Db 241 T 241

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RESULT 13  
US-09-866-050A-664

Sequence 664, Application US/09866050A  
Publication No. US20030040471A1

GENERAL INFORMATION:

```

; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions for Isolated From Skin Cells
; TITLE OF INVENTION: and Methods for Their Use
; FILE REFERENCE: 11000.1011c4U
; CURRENT APPLICATION NUMBER: US/09/866,050A
; CURRENT FILING DATE: 2001-05-24
; NUMBER OF SEQ ID NOS: 725
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 664
; LENGTH: 307
; TYPE: PRT
; ORGANISM: Rat
US-09-866-050A-664

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Query Match 45.1%; Score 673.5; DB 9; Length 307;  
Best Local Similarity 51.0%; Pred. No. 1.5e-48;  
Matches 148; Conservative 39; Mismatches 92; Indels 11; Gaps 7;

QY 6 POLLLFLFSSLRADTQKEVRAMGSDVELSCACPEGSRFDLNDVYVWQ-TSEKTYVTH 64

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Db 10 POLLLFLFSCLYAEAEKVENAMVGSDELRCYPPRRSHSLDLYVWQIYDEAKTYVTH 69
QY 65 YHP--QNSLENDVSRNRALMSPAGMLRGDFSLRLEFNTPODEKHFCLVLSQSLG 122
Db 70 YLPSPANESSTIHVSNSYKRAHSPDLMEKGFSLHLOWTQDDQEFECIFRMSVYL 129
QY 123 QEVLSVEVTLHVAANFSPVVASAPHS--PSQDELFTCTCSINGYPRPNVYWKNTDNL 180
Db 130 GKALEEVRLRVAANFSTPISTGSSDPGQ-ERTTCKSKNGYPRPNLWIKRTDNTL 188
QY 181 DQALQNDVFLNMRGLYDVSVLRATPSPVNIACCLENLLQNLTVSGQTGNDIGERD 240
Db 189 DELQNTVYLNELGLDYVSTLRIPWTPHVDVCCVENALHQNTISISRADSFSGMN 248
QY 241 KTFENP--VSTGEKNATWSILAVLCILVVAVAIGWCGDRCLQHSYAG 288
Db 249 --TERPQIHREATKVLFLALALLAVVAVITVILRCRRPQQ-SYTG 295

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RESULT 14  
US-09-910-174A-29

Sequence 29, Application US/09910174A  
Patent No. US20020106730A1

GENERAL INFORMATION:

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; APPLICANT: CoyLe, Anthony J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7-H2 Molecules, No. US20020106730A1 Members of the B7
; FILE REFERENCE: 35800/236924
; CURRENT APPLICATION NUMBER: US/09/910,174A
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/620,461
; PRIOR FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 322
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-910-174A-29

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Query Match 39.4%; Score 588.5; DB 10; Length 322;  
Best Local Similarity 46.6%; Pred. No. 2e-41;

Matches 135; Conservative 97; Mismatches 97; Indels 19; Gaps 7;

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QY 7 GLFLFLFSSLRADTQKEVRAMGSDVELSCACPEGSRFDLNDVYVWQTSSEKTYVTH 66
Db 32 GLFLFLFSSLRADTQKEVRAMGSDVELSCACPEGSRFDLNDVYVWQTSSEKTYVTH 91
QY 67 IPOSSLENDVSRNRALMSPAGMLRGDFSLRLEFNTPODEKHFCLV-TSQSLGFEV 125
Db 92 LFPKSPGAINVDSSYKKNCHSLSDSMKQGNFSLYKANTPDDTQEFRCVPMNATLKYK 151
QY 126 LSVETLVHVAANFSPVVASAPHS--PSQDELFTCTCSINGYPRPNVYWKNTDNLSD 183
Db 152 LEEVYRLRVAANFSTPISTGSSDPGQ-ERTTCKSKNGYPRPNLWIKRTDNTSLD 210
QY 184 LQNTVFLNMRGLYDVSVLRATPSPVNIACCLENLLQNLTVSGQ----TGNDIGER 239
Db 211 LQNTVFLNMRGLYDVSVLRATPSPVNIACCLENLLQNLTVSGQ----TGNDIGER 266
QY 240 DKITENPVSTGEKNATWSILAVLCILVVAVAIGWCGDRCLQHSYAG 288
Db 267 ---TKNPQETHNNEL---KVLVPLVLAALAAVAFSTIYKRTKPHSHSYTG 310

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RESULT 15  
US-09-915-789A-1

Sequence 1, Application US/09915789A  
Patent No. US20020168762A1

GENERAL INFORMATION:



GenCore version 5.1.4-p5.4578  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 24, 2003, 16:25:54 ; Search time 10.5038 Seconds  
(without alignments)  
806.735 Million cell updates/sec

Title: US-09-728-420C-12  
Perfect score: 1495  
Sequence: 1 MRLSGPILFLFSLRADT.....VAVAIQWCRDRLQHSYAG 288

Scoring table:  
BLSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues  
Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
Maximum DB seq length: 200000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_AA:\*

- 1: /cgn2\_6/ptodata/1/1aa/5A.COMB.pep:\*
- 2: /cgn2\_6/ptodata/1/1aa/5B.COMB.pep:\*
- 3: /cgn2\_6/ptodata/1/1aa/6A.COMB.pep:\*
- 4: /cgn2\_6/ptodata/1/1aa/6B.COMB.pep:\*
- 5: /cgn2\_6/ptodata/1/1aa/PCTUS.COMB.pep:\*
- 6: /cgn2\_6/ptodata/1/1aa/Backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	273.5	18.3	534	4	US-09-651-200-6
2	273.5	18.3	534	4	US-09-651-200-24
3	273	18.3	340	4	US-09-651-200-2
4	273	18.3	441	4	US-09-651-200-4
5	185	12.4	329	4	US-09-651-200-18
6	184	12.3	329	4	US-09-651-200-19
7	182	12.2	309	4	US-09-651-200-23
8	182	12.2	309	2	US-08-456-104-4
9	182	12.2	309	3	US-08-479-744A-23
10	182	12.2	309	4	US-08-280-757B-23
11	182	12.2	309	4	US-08-205-652A-21
12	182	12.2	309	4	US-08-702-525-21
13	182	12.2	309	4	US-09-651-200-22
14	182	12.2	309	5	PCT-US95-02576-21
15	182	12.2	314	4	US-08-205-697A-13
16	182	12.2	314	4	US-08-702-525-13
17	182	12.2	314	5	PCT-US95-02576-13
18	174	11.6	325	4	US-09-651-200-20
19	173	11.6	589	2	US-08-724-394A-1
20	165.5	11.1	323	4	US-09-651-200-21
21	165.5	11.1	323	5	PCT-US94-09642-2
22	165.5	11.1	329	2	US-08-456-104-2
23	165.5	11.1	329	3	US-08-101-624-2
24	165.5	11.1	329	3	US-08-479-744A-2
25	165.5	11.1	329	4	US-08-280-757B-2
26	165.5	11.1	329	4	US-08-205-697A-23
27	165.5	11.1	329	4	US-08-702-525-23

28	165.5	11.1	329	4	US-08-403-253A-4	Sequence 4, Appl
29	165.5	11.1	329	5	PCT-US95-02576-23	Sequence 23, Appl
30	164.5	11.0	288	2	US-08-147-772-2	Sequence 2, Appl
31	164.5	11.0	288	2	US-08-456-104-6	Sequence 6, Appl
32	164.5	11.0	288	2	US-08-101-624-23	Sequence 23, Appl
33	164.5	11.0	288	2	US-08-751-767A-6	Sequence 6, Appl
34	164.5	11.0	288	3	US-08-153-262-2	Sequence 29, Appl
35	164.5	11.0	288	3	US-08-479-744A-29	Sequence 29, Appl
36	164.5	11.0	288	4	US-08-280-757B-29	Sequence 29, Appl
37	164.5	11.0	288	4	US-09-159-135-2	Sequence 2, Appl
38	164.5	11.0	288	4	US-08-205-697A-19	Sequence 19, Appl
39	164.5	11.0	288	4	US-08-702-525-19	Sequence 19, Appl
40	164.5	11.0	288	4	US-09-450-798-2	Sequence 2, Appl
41	164.5	11.0	288	4	US-08-403-253A-2	Sequence 13, Appl
42	164.5	11.0	288	4	US-09-651-200-13	Sequence 19, Appl
43	164.5	11.0	288	5	PCT-US95-02576-19	Sequence 36, Appl
44	161	10.8	208	4	US-09-460-384-36	Sequence 131, App
45	161	10.8	473	4	US-09-171-945-131	

## ALIGNMENTS

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RESULT 1
US-09-651-200-6
; Sequence 6, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 6
; LENGTH: 534
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-6
Query Match          18.3%; Score 273.5; DB 4; Length 534;
Best Local Similarity 30.8%; Pred. No. 5.3e-19;
Matches 84; Conservative 37; Mismatches 105; Indels 47; Gaps 9;
QY 2 RLGSFG-----LFLFLFSLRADTQEKVRAMVSGDVELSCAPEGSRFNDLV 50
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Db 4 RRGSGMGVHGAIGALGMLFCTGALFVQVPEDEPVVALVGTDATLCCSFPEPFI 63
   |||||
QY 51 YVWQTSKRVVYHHPONSLEND--SVRRRALMSRAGMLRGPFSLRLFVPTODE 108
   |||||
Db 64 NLIMQWDTKQLV-----HSFAEGQDQGSAYANRTALFPLDLAOGNMSRLQVRADE 117
   |||||
QY 109 OKFHCLVLSQSLGFOEVLSEVTLHVAANFVPAVASPHSPQ-----DETFCTSI 163
   |||||
Db 118 GSFICFVSIRDPG-----SAVSIQVAPARYKRP--SMTLEPNKRLRGDVIYTTIC 170
   |||||
QY 164 YPRPNVWV-----INKTDSNLLDQALQNDIVFLMKRGLYDVSVLRIARPSVNI 218
   |||||
Db 171 YPEAEVEFMQDQGVPLTGNVTTTQ-----MANEGGLFDVHSILRVLVLANGT 223
   |||||
QY 219 NVLLQDQ-----NLTVSGQNDIGERDKITENPV 247
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Db 224 NPVLQDQAHSSVTTPQRSPTGAVEVQVPEDPV 256
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## RESULT 2

US-09-651-200-24

Sequence 24, Application US/09651200

Patent No. 6429303

GENERAL INFORMATION:

APPLICANT: Green et al

TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B

TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and

TITLE OF INVENTION: Polypeptides Encoded Thereby

FILE REFERENCE: 15966-562 (CURA-62)

CURRENT APPLICATION NUMBER: US/09/651,200

CURRENT FILING DATE: 2000-08-30

PRIOR APPLICATION NUMBER: 60/152383

PRIOR FILING DATE: 1999-09-03

PRIOR APPLICATION NUMBER: 60/172909

PRIOR FILING DATE: 1999-12-21

PRIOR APPLICATION NUMBER: 60/183578

PRIOR FILING DATE: 2000-02-18

NUMBER OF SEQ ID NOS: 25

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 24

LENGTH: 534

ORGANISM: Unknown

FEATURE:

OTHER INFORMATION: Description of Unknown Organism: Sequence

US-09-651-200-24

Query Match 18.3%; Score 273.5; DB 4; Length 534;

Best Local Similarity 30.8%; Pred. No. 5.3e-19;

Matches 84; Conservative 37; Mismatches 105; Indels 47; Gaps 9;

QY 2 RUGSG-----LLFLFSLRADTQEKREAVWGSVDELSCAPEGSRFDNDY 50  
 DB 4 RUGSGMGVHAGALGALMFLCTGALVQVPEDPVALVGTDAITCCSFSPGFSLAQL 63  
 QY 51 YVWQTSKSTVYVTHIPQSSLEND--SRYRRLMSPAGMLRGDFSLRLFTVTPDE 108  
 DB 64 NLIMQDLTKQLV-----HSFAEQDQGSAAVANTALFPDLAOGNLSRLQVRVADE 117  
 QY 109 QKHFGLVLSQSGFQEVLSVEYTLVAVNFSPVVASAHSSQ-----DELFTCTISNG 163  
 DB 118 GSETFVSIROFG-----SAAVSLQVAAPYSKP--SMTLENNKDLRPGDTVTTCSSYOG 170  
 QY 164 YRPVWYVWY-----INKTNSLDDQALQNDYFLNMRGLYDVSVLRIARTSPVNICCIE 218  
 DB 171 YPEAEVFNQDGGVPLTGNVTTSQ-----MANQGLFDVHSILRLVVLGANGTYSCLVR 223  
 QY 219 NVLLQO---NLTVGSGTGNDIGERDKITENPV 247  
 DB 224 NPVLQDASHSVTITPQRSPTGAVEVQVPEBPV 256

## RESULT 3

US-09-651-200-2

Sequence 2, Application US/09651200

Patent No. 6429303

GENERAL INFORMATION:

APPLICANT: Green et al

TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B

TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and

TITLE OF INVENTION: Polypeptides Encoded Thereby

FILE REFERENCE: 15966-562 (CURA-62)

CURRENT APPLICATION NUMBER: US/09/651,200

CURRENT FILING DATE: 2000-08-30

PRIOR APPLICATION NUMBER: 60/152383

PRIOR FILING DATE: 1999-09-03

PRIOR APPLICATION NUMBER: 60/172909

PRIOR FILING DATE: 1999-12-21

PRIOR APPLICATION NUMBER: 60/183578

PRIOR FILING DATE: 2000-02-18

NUMBER OF SEQ ID NOS: 25  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 2  
 LENGTH: 340  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-651-200-2

Query Match 18.3%; Score 273; DB 4; Length 340;

Best Local Similarity 30.5%; Pred. No. 3.1e-19;

Matches 84; Conservative 41; Mismatches 106; Indels 44; Gaps 10;

QY 15 SLRADTQEKREAVWGSVDELSCAPEGSRFDNDYVWQTSKSTVYVTHIPQSSLE 74  
 DB 52 AVEQVPEDPVALVGTDAITLHCSFSPGFSLTQNLIMQDLTKQLV-----HSFTE 105  
 QY 75 NVD--SRYRRLMSPAGMLRGDFSLRLFTVTPQDEKHFCHVLSQSLGFQEVLSVEYTL 132  
 DB 106 GRDQGSAYANRTALFPDLAOGNASTLRQVRVADEGSEFTCFVSIROFG-----SAAVSL 160  
 QY 133 HVAANFSPVVASAPHSPQ-----DELFTCTISNGYPRPNYVW-----INKTNSLDDQ 182  
 DB 161 QVAAPYSKP--SMTLENNKDLRPGDTVTTCSSYRGTPAEAVFWQDGGVPLTGNVTTSQ 218  
 QY 183 ALQNDYFLNMRGLYDVSVLRIARTSPVNICCIEENVLLQOQLTVGSGTGNDIGERDKI 242  
 DB 219 -----MANQGLFDVHSILRLVVLGANGTYSCLVARNPVLDQD-ANGSVT-----I 261  
 QY 243 TENPVSTGEKNATWSILAVLCILVYVAVAGWC 277  
 DB 262 TQGPMTPEPE--ALWTVGLSVCLIALVALAIVC 294

## RESULT 4

US-09-651-200-4

Sequence 4, Application US/09651200

Patent No. 6429303

GENERAL INFORMATION:

APPLICANT: Green et al

TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B

TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and

TITLE OF INVENTION: Polypeptides Encoded Thereby

FILE REFERENCE: 15966-562 (CURA-62)

CURRENT APPLICATION NUMBER: US/09/651,200

CURRENT FILING DATE: 2000-08-30

PRIOR APPLICATION NUMBER: 60/152383

PRIOR FILING DATE: 1999-09-03

PRIOR APPLICATION NUMBER: 60/172909

PRIOR FILING DATE: 1999-12-21

PRIOR APPLICATION NUMBER: 60/183578

PRIOR FILING DATE: 2000-02-18

NUMBER OF SEQ ID NOS: 25

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 4

LENGTH: 441

TYPE: PRT

ORGANISM: Homo sapiens

US-09-651-200-4

Query Match 18.3%; Score 273; DB 4; Length 441;

Best Local Similarity 30.5%; Pred. No. 4.5e-19;

Matches 84; Conservative 41; Mismatches 106; Indels 44; Gaps 10;

QY 15 SLRADTQEKREAVWGSVDELSCAPEGSRFDNDYVWQTSKSTVYVTHIPQSSLE 74  
 DB 153 AVEQVPEDPVALVGTDAITLHCSFSPGFSLTQNLIMQDLTKQLV-----HSFTE 206  
 QY 75 NVD--SRYRRLMSPAGMLRGDFSLRLFTVTPQDEKHFCHVLSQSLGFQEVLSVEYTL 132  
 DB 207 GRDQGSAYANRTALFPDLAOGNASTLRQVRVADEGSEFTCFVSIROFG-----SAAVSL 261  
 QY 133 HVAANFSPVVASAPHSPQ-----DELFTCTISNGYPRPNYVW-----INKTNSLDDQ 182



GenCore version 5.1.4.p5.4578  
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## OM protein - protein search, using sw model

Run on: May 24, 2003, 16:36:40 ; Search time 13.5878 Seconds  
(without alignments)  
1948.743 Million cell updates/sec

Title: US-09-728-420C-13  
Perfect score: 1393  
Sequence: 1 EKEVRAMGSDVELSCACPE.....VAVAIGWCRDCLQHSYAG 267

Scoring table: BIOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 375593 seqs, 9917265 residues  
Total number of hits satisfying chosen parameters: 375593

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

## Database : Published\_Applications\_AA:\*

1: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB pep: \*  
2: /cgn2\_6/ptodata/2/pubpaa/PCIT\_NEW\_PUB pep: \*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB pep: \*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB pep: \*  
5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB pep: \*  
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7: /cgn2\_6/ptodata/2/pubpaa/PCITUS\_PUBCOMB pep: \*  
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12: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB pep: \*  
13: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB pep: \*  
14: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB pep: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1393	100.0	302	9	US-09-896-738-13
2	1393	100.0	302	10	US-09-955-866-7
3	1393	100.0	309	10	US-09-910-174A-7
4	1392	99.9	302	9	US-09-915-789A-18
5	1392	99.9	343	10	US-09-764-853-630
6	1392	99.9	345	9	US-10-091-438-210
7	1392	99.9	345	10	US-09-764-853-810
8	1392	99.9	370	9	US-10-091-438-150
9	1388	99.6	302	10	US-09-789-561-136
10	1388	99.6	344	10	US-10-091-438-212
11	1388	99.6	344	10	US-09-764-853-812
12	1219	87.5	241	9	US-09-915-789A-11
13	636.5	45.7	307	9	US-09-866-050A-664
14	559.5	40.2	322	10	US-09-910-174A-29
15	271	19.5	316	9	US-09-915-789A-1
16	271	19.5	316	9	US-10-077-023-13
17	271	19.5	316	9	US-10-156-424A-2
18	271	19.5	316	9	US-10-156-424A-28
19	271	19.5	316	10	US-09-875-338-13

20	271	19.5	316	10	US-09-910-174A-24	Sequence 24, Appl
21	270	19.4	316	9	US-10-077-023-11	Sequence 11, Appl
22	270	19.4	316	10	US-09-875-338-11	Sequence 11, Appl
23	270	19.4	387	10	US-09-789-561-156	Sequence 156, App
24	270	19.4	534	9	US-10-077-023-7	Sequence 7, Appl1
25	270	19.4	534	10	US-09-875-338-7	Sequence 7, Appl1
26	269	19.3	316	9	US-09-915-789A-3	Sequence 3, Appl1
27	269	19.3	316	9	US-10-156-424A-4	Sequence 4, Appl1
28	269	19.3	316	9	US-10-156-424A-6	Sequence 6, Appl1
29	267.5	19.2	315	10	US-09-910-174A-28	Sequence 28, Appl
30	267	19.2	316	9	US-09-878-295A-137	Sequence 137, App
31	267	19.2	316	9	US-09-896-738-14	Sequence 14, Appl
32	267	19.2	316	9	US-09-978-697-137	Sequence 137, App
33	267	19.2	316	9	US-09-978-192A-137	Sequence 137, App
34	267	19.2	316	9	US-09-999-832A-137	Sequence 137, App
35	267	19.2	316	9	US-09-790-622-4	Sequence 4, Appl1
36	267	19.2	316	9	US-09-978-189-137	Sequence 137, App
37	267	19.2	316	9	US-10-174-590-54	Sequence 54, Appl
38	267	19.2	316	9	US-10-176-758-54	Sequence 54, Appl
39	267	19.2	316	9	US-10-175-737-54	Sequence 54, Appl
40	267	19.2	316	9	US-10-173-706-54	Sequence 54, Appl
41	267	19.2	316	9	US-10-175-738-54	Sequence 54, Appl
42	267	19.2	316	9	US-10-175-752-54	Sequence 54, Appl
43	267	19.2	316	9	US-10-176-482-54	Sequence 54, Appl
44	267	19.2	316	9	US-10-176-757-54	Sequence 54, Appl
45	267	19.2	316	9	US-10-176-913-54	Sequence 54, Appl

## ALIGNMENTS

RESULT 1									
US-09-896-738-13									
Sequence 13, Application US/09896738									
Patent No. US20020165347A1									
GENERAL INFORMATION:									
APPLICANT: Fox, Michael									
APPLICANT: Sullivan, John K.									
TITLE OF INVENTION: B7-Like Molecules and Uses Thereof									
FILE REFERENCE: 00-513-A									
CURRENT APPLICATION NUMBER: US/09/896,738									
CURRENT FILING DATE: 2001-06-29									
PRIOR APPLICATION NUMBER: 60/215,645									
PRIOR FILING DATE: 2000-06-30									
NUMBER OF SEQ ID NOS: 23									
SOFTWARE: PatentIn Ver. 2.0									
SEQ ID NO 13									
LENGTH: 302									
TYPE: PRT									
ORGANISM: Homo sapiens									
US-09-896-738-13									
Query Match									
Best Local Similarity 100.0%; Score 1393; DB 9; Length 302;									
Matches 267; Conservative 0; Mismatches 0; Indels 0; Gaps 0;									
OY	1	EKEVRAMGSDVELSCACPE	GGSPFDLNDVYYVWTSSEKTVYTHIPONSSLENDVDRYR	60					
DB	22	EKEVRAMGSDVELSCACPE	GGSPFDLNDVYYVWTSSEKTVYTHIPONSSLENDVDRYR	81					
OY	61	NRALMSPAGMLRGDFSLRFLFVNTPODEQKFFHCLVLSQSLGQEVLSYEVTLHVAANFSVP	120						
DB	82	NRALMSPAGMLRGDFSLRFLFVNTPODEQKFFHCLVLSQSLGQEVLSYEVTLHVAANFSVP	141						
OY	121	VVSAPHSQDELFTFTCSINGYPRPNVYVWTKNDNSLDQALQNDVYFLNMRGLYDVS	180						
DB	142	VVSAPHSQDELFTFTCSINGYPRPNVYVWTKNDNSLDQALQNDVYFLNMRGLYDVS	201						
OY	181	VLRIKRTSVNIGCCIEVNLQONLTVSQTGNIGERDKITTEPNVSTGKRNATWSILA	240						
DB	202	VLRIKRTSVNIGCCIEVNLQONLTVSQTGNIGERDKITTEPNVSTGKRNATWSILA	261						



1	PRIOR APPLICATION NUMBER: 60/218,290
2	PRIOR FILING DATE: 2000-07-14
3	PRIOR APPLICATION NUMBER: 60/225,757
4	PRIOR FILING DATE: 2000-08-14
5	PRIOR APPLICATION NUMBER: 60/226,868
6	PRIOR FILING DATE: 2000-08-22
7	PRIOR APPLICATION NUMBER: 60/216,647
8	PRIOR FILING DATE: 2000-07-07
9	PRIOR APPLICATION NUMBER: 60/225,267
10	PRIOR FILING DATE: 2000-08-14
11	PRIOR APPLICATION NUMBER: 60/216,880
12	PRIOR FILING DATE: 2000-07-07
13	PRIOR APPLICATION NUMBER: 60/225,270
14	PRIOR FILING DATE: 2000-08-14
15	PRIOR APPLICATION NUMBER: 60/231,869
16	PRIOR FILING DATE: 2000-12-08
17	PRIOR APPLICATION NUMBER: 60/235,834
18	PRIOR FILING DATE: 2000-09-27
19	PRIOR APPLICATION NUMBER: 60/234,274
20	PRIOR FILING DATE: 2000-09-21
21	PRIOR APPLICATION NUMBER: 60/234,223
22	PRIOR FILING DATE: 2000-09-21
23	PRIOR APPLICATION NUMBER: 60/228,924
24	PRIOR FILING DATE: 2000-08-30
25	PRIOR APPLICATION NUMBER: 60/224,518
26	PRIOR FILING DATE: 2000-08-14
27	PRIOR APPLICATION NUMBER: 60/236,369
28	PRIOR FILING DATE: 2000-09-29
29	PRIOR APPLICATION NUMBER: 60/224,519
30	PRIOR FILING DATE: 2000-08-14
31	PRIOR APPLICATION NUMBER: 60/220,964
32	PRIOR FILING DATE: 2000-07-26
33	PRIOR APPLICATION NUMBER: 60/241,809
34	PRIOR FILING DATE: 2000-10-20
35	PRIOR APPLICATION NUMBER: 60/249,299
36	PRIOR FILING DATE: 2000-11-17
37	PRIOR APPLICATION NUMBER: 60/236,327
38	PRIOR FILING DATE: 2000-09-29
39	PRIOR APPLICATION NUMBER: 60/241,785
40	PRIOR FILING DATE: 2000-10-20
41	PRIOR APPLICATION NUMBER: 60/244,617
42	PRIOR FILING DATE: 2000-11-01
43	PRIOR APPLICATION NUMBER: 60/225,268
44	PRIOR FILING DATE: 2000-08-14
45	PRIOR APPLICATION NUMBER: 60/236,368
46	PRIOR FILING DATE: 2000-09-29
47	PRIOR APPLICATION NUMBER: 60/251,856
48	PRIOR FILING DATE: 2000-12-08
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50	PRIOR FILING DATE: 2000-12-08
51	PRIOR APPLICATION NUMBER: 60/229,344
52	PRIOR FILING DATE: 2000-09-01
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58	PRIOR FILING DATE: 2000-09-01
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60	PRIOR FILING DATE: 2000-09-01
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62	PRIOR FILING DATE: 2000-09-05
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64	PRIOR FILING DATE: 2000-09-08
65	PRIOR APPLICATION NUMBER: 60/229,509
66	PRIOR FILING DATE: 2000-09-05
67	PRIOR APPLICATION NUMBER: 60/226,367
68	PRIOR FILING DATE: 2000-09-29
69	PRIOR APPLICATION NUMBER: 60/237,039
70	PRIOR FILING DATE: 2000-10-02
71	PRIOR APPLICATION NUMBER: 60/237,038
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73	PRIOR APPLICATION NUMBER: 60/236,370

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;; PRIOR FILING DATE: 2000-10-02  
;; PRIOR APPLICATION NUMBER: 60/240,960  
;; PRIOR FILING DATE: 2000-10-20  
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;; PRIOR FILING DATE: 2000-10-20  
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;; PRIOR APPLICATION NUMBER: 60/241,786  
;; PRIOR FILING DATE: 2000-10-20  
;; PRIOR APPLICATION NUMBER: 60/241,221  
;; PRIOR FILING DATE: 2000-10-20  
;; PRIOR APPLICATION NUMBER: 60/246,475  
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;; PRIOR APPLICATION NUMBER: 60/231,243  
;; PRIOR FILING DATE: 2000-09-08

Query Match 99.9%; Score 1392; DB 9; Length 345;  
Best Local Similarity 99.6%; Pred. No. 1,le-11;  
Matches 266; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 EKEVRAVGSDFVLSACPEGRFEDLNDYVYVWQTESKTVYTHIPOMSSLENDYSRR 60  
DB 65 EKEVRAVGSDFVLSACPEGRFEDLNDYVYVWQTESKTVYTHIPOMSSLENDYSRR 124  
QY 61 NRALMSPAGMLRGDFSLRLEFNVTPQDEQKPHCLVLSQSLGFQEVLSVEYTLHVAANFSVP 120  
DB 125 NRALMSPAGMLRGDFSLRLEFNVTPQDEQKPHCLVLSQSLGFQEVLSVEYTLHVAANFSVP 184  
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DB 185 VVSAPHSPODELFTFTCTSIINGYPRPNVYWKNTDNLSDQALQNDTVFLNMRGLDYVS 244  
QY 181 VLCLVAVAVAIAGWCRCRCLQHSYAG 267  
DB 245 VLCLVAVAVAIAGWCRCRCLQHSYAG 304  
QY 241 VLCLVAVAVAIAGWCRCRCLQHSYAG 267  
DB 305 VLCLVAVAVAIAGWCRCRCLQHSYAG 331

RESULT 7  
US-09-764-853-810  
; Sequence 810, Application US/09764853  
; Patent No. US20020090672A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: P1206  
; CURRENT APPLICATION NUMBER: US/09/764,853  
; PRIOR FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 939  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 810  
; LENGTH: 345  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-764-853-810

[illegible]

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RESULT 8
US-10-091-438-150
; Sequence 150, Application US/10091438
; Publication No. US20030077606A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT217C1
CURRENT APPLICATION NUMBER: US/10/091,438
CURRENT FILING DATE: 2001-01-17
PRIORITY APPLICATION NUMBER: 09/764,879
PRIORITY FILING DATE: 2001-01-17
PRIORITY APPLICATION NUMBER: 60/179,065
PRIORITY FILING DATE: 2000-01-31
PRIORITY APPLICATION NUMBER: 60/180,628
PRIORITY FILING DATE: 2000-02-04
PRIORITY APPLICATION NUMBER: 60/214,886
PRIORITY FILING DATE: 2000-06-28
PRIORITY APPLICATION NUMBER: 60/217,487
PRIORITY FILING DATE: 2000-07-11
PRIORITY APPLICATION NUMBER: 60/225,758
PRIORITY FILING DATE: 2000-08-14
PRIORITY APPLICATION NUMBER: 60/220,963
PRIORITY FILING DATE: 2000-07-26
PRIORITY APPLICATION NUMBER: 60/217,496
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PRIORITY FILING DATE: 2000-07-14
PRIORITY APPLICATION NUMBER: 60/225,757
PRIORITY FILING DATE: 2000-08-14
PRIORITY APPLICATION NUMBER: 60/226,868
PRIORITY FILING DATE: 2000-08-22
PRIORITY APPLICATION NUMBER: 60/216,647
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PRIORITY APPLICATION NUMBER: 60/225,267
PRIORITY FILING DATE: 2000-08-14
PRIORITY APPLICATION NUMBER: 60/216,880
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PRIORITY APPLICATION NUMBER: 60/251,869
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PRIORITY FILING DATE: 2000-09-27
PRIORITY APPLICATION NUMBER: 60/234,274
PRIORITY FILING DATE: 2000-09-21

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9	PRIOR APPLICATION NUMBER: 60/224,519
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18	PRIOR FILING DATE: 2000-09-29
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35	PRIOR APPLICATION NUMBER: 60/229,343
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40	PRIOR FILING DATE: 2000-09-01
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42	PRIOR FILING DATE: 2000-09-05
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46	PRIOR FILING DATE: 2000-09-05
47	PRIOR APPLICATION NUMBER: 60/236,367
48	PRIOR FILING DATE: 2000-09-29
49	PRIOR APPLICATION NUMBER: 60/237,039
50	PRIOR FILING DATE: 2000-10-02
51	PRIOR APPLICATION NUMBER: 60/237,038
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53	PRIOR APPLICATION NUMBER: 60/236,370
54	PRIOR FILING DATE: 2000-09-29
55	PRIOR APPLICATION NUMBER: 60/236,802
56	PRIOR FILING DATE: 2000-10-02
57	PRIOR APPLICATION NUMBER: 60/237,037
58	PRIOR FILING DATE: 2000-10-02
59	PRIOR APPLICATION NUMBER: 60/237,040
60	PRIOR FILING DATE: 2000-10-02
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66	PRIOR FILING DATE: 2000-10-13
67	PRIOR APPLICATION NUMBER: 60/241,787
68	PRIOR FILING DATE: 2000-10-20
69	PRIOR APPLICATION NUMBER: 60/246,474
70	PRIOR FILING DATE: 2000-11-08
71	PRIOR APPLICATION NUMBER: 60/246,532
72	PRIOR FILING DATE: 2000-11-08
73	PRIOR APPLICATION NUMBER: 60/249,216

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 PRIOR FILING DATE: 2000-09-27  
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 PRIOR APPLICATION NUMBER: 60/215,135  
 PRIOR FILING DATE: 2000-06-30  
 PRIOR APPLICATION NUMBER: 60/225,266  
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 PRIOR FILING DATE: 2000-09-08  
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 PRIOR FILING DATE: 2000-11-08  
 PRIOR APPLICATION NUMBER: 60/231,243  
 PRIOR FILING DATE: 2000-09-08

Query Match 99.9% Score 1392; DB 9; Length 370;  
 Best Local Similarity 99.6%; Pred. No. 1,2e-111;  
 Matches 266; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 EKEVAMGSDVELSCACPEGRFDLNDVYVYWTSEKTYVTHIPONSSLENDVDSRYR 60  
 DB 90 EKEVAMGSDVELSCACPEGRFDLNDVYVYWTSEKTYVTHIPONSSLENDVDSRYR 149  
 QY 61 NRALMSPAGMLRGDSRLRFNVTPODEOKFHCGLVLSQSLGFOEVLSEVTLHVAANFSVP 120  
 DB 150 NRALMSPAGMLRGDSRLRFNVTPODEOKFHCGLVLSQSLGFOEVLSEVTLHVAANFSVP 209  
 QY 121 VVSAPHSPODELFTFTCTSTINGYRPNVYWKNTDNLDOALONDVFLNMGLYDVS 180  
 DB 210 VVSAPHSPODELFTFTCTSTINGYRPNVYWKNTDNLDOALONDVFLNMGLYDVS 269  
 QY 181 VLRIARTPSVNIIGCCIEENVLLQNLTVGSGNDIGERDITENPVSTGKNATWSILA 240  
 DB 270 VLRIARTPSVNIIGCCIEENVLLQNLTVGSGNDIGERDITENPVSTGKNATWSILA 329  
 QY 241 VLCLLVVAVAAIGWVCDRCLOHSHYAG 267  
 DB 330 VLCLLVVAVAAIGWVCDRCLOHSHYAG 356

# RESULT 9

US-09-789-561-136  
 Sequence 136, Application US/09789561  
 Patent No. US20020064818A1  
 GENERAL INFORMATION:  
 APPLICANT: NI et al.  
 TITLE OF INVENTION: 52 Human secreted proteins  
 FILE REFERENCE: P2043P1  
 CURRENT APPLICATION NUMBER: US/09/789,561  
 CURRENT FILING DATE: 2001-02-22  
 PRIOR APPLICATION NUMBER: PCT/US00/24008  
 PRIOR FILING DATE: 2000-08-31  
 PRIOR APPLICATION NUMBER: 60/152,317  
 PRIOR FILING DATE: 1999-09-03  
 PRIOR APPLICATION NUMBER: 60/152,315  
 PRIOR FILING DATE: 1999-09-03  
 NUMBER OF SEQ ID NOS: 194  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 136  
 LENGTH: 302  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 FEATURE:  
 NAME/KEY: SITE  
 LOCATION: (128)  
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
 US-09-789-561-136

Query Match 99.6%; Score 1388; DB 10; Length 302;  
 Best Local Similarity 99.6%; Pred. No. 2e-111;  
 Matches 266; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 EKEVAMGSDVELSCACPEGRFDLNDVYVYWTSEKTYVTHIPONSSLENDVDSRYR 60  
 DB 22 EKEVAMGSDVELSCACPEGRFDLNDVYVYWTSEKTYVTHIPONSSLENDVDSRYR 81  
 QY 61 NRALMSPAGMLRGDSRLRFNVTPODEOKFHCGLVLSQSLGFOEVLSEVTLHVAANFSVP 120  
 DB 82 NRALMSPAGMLRGDSRLRFNVTPODEOKFHCGLVLSQSLGFOEVLSEVTLHVAANFSVP 141

QY 121 VVSAPHSODELFTCTSTINGYPRPNVYWKNTDNLDDALONDTYELNMRGLYDVS 180  
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Db 142 VVSAPHSODELFTCTSTINGYPRPNVYWKNTDNLDDALONDTYELNMRGLYDVS 201  
QY 181 VVRIARTPSVNIQCCIEVLLQONLTVSGTNDIGERDKITENPVGKNAATWSILA 240  
|||||  
Db 202 VVRIARTPSVNIQCCIEVLLQONLTVSGTNDIGERDKITENPVGKNAATWSILA 261  
QY 241 VVCLLVVAVAIQWCRDCLQHSYAG 267  
|||||  
Db 262 VVCLLVVAVAIQWCRDCLQHSYAG 288  
  
RESULT 10  
US-10-091-438-212  
Sequence 212, Application US/10091438  
Publication No. US2003007606A1  
GENERAL INFORMATION:  
APPLICANT: Rosen et al.  
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
FILE REFERENCE: PTZ17C1  
CURRENT APPLICATION NUMBER: US/10/091,438  
CURRENT FILING DATE: 2001-01-17  
PRIOR APPLICATION NUMBER: 09/764,879  
PRIOR FILING DATE: 2001-01-17  
PRIOR APPLICATION NUMBER: 60/179,065  
PRIOR FILING DATE: 2000-01-31  
PRIOR APPLICATION NUMBER: 60/180,628  
PRIOR FILING DATE: 2000-02-04  
PRIOR APPLICATION NUMBER: 60/214,886  
PRIOR FILING DATE: 2000-06-28  
PRIOR APPLICATION NUMBER: 60/217,487  
PRIOR FILING DATE: 2000-07-11  
PRIOR APPLICATION NUMBER: 60/225,758  
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PRIOR APPLICATION NUMBER: 60/225,267  
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PRIOR APPLICATION NUMBER: 60/216,880  
PRIOR FILING DATE: 2000-07-07  
PRIOR APPLICATION NUMBER: 60/225,270  
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PRIOR APPLICATION NUMBER: 60/251,869  
PRIOR FILING DATE: 2000-12-08  
PRIOR APPLICATION NUMBER: 60/235,834  
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PRIOR FILING DATE: 2000-09-21  
PRIOR APPLICATION NUMBER: 60/228,924  
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PRIOR APPLICATION NUMBER: 60/251,868  
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PRIOR APPLICATION NUMBER: 60/236,367  
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PRIOR APPLICATION NUMBER: 60/237,039  
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PRIOR APPLICATION NUMBER: 60/237,038  
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PRIOR APPLICATION NUMBER: 60/237,040  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/240,960  
PRIOR FILING DATE: 2000-10-20  
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PRIOR APPLICATION NUMBER: 60/239,937  
PRIOR FILING DATE: 2000-10-13  
PRIOR APPLICATION NUMBER: 60/241,787  
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PRIOR APPLICATION NUMBER: 60/246,474  
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PRIOR APPLICATION NUMBER: 60/225,759  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/225,213  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/227,182  
PRIOR FILING DATE: 2000-08-22

Query Match	99.68;	Score 1388;	DB 9;	Length 344;
Best Local Similarity	99.68;	Pred. No. 2.4e-111;		

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RESULT 11
US-09-764-853-812
: Sequence 812, Application US/09764853
: Patent No. US20020090672A1
: GENERAL INFORMATION:
: APPLICANT: Rosen et al.
: TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
: FILE REFERENCE: P1206
: CURRENT APPLICATION NUMBER: US/09/764,853
: CURRENT FILING DATE: 2001-01-17
: Prior application data removed - consult PALM or file wrapper
: NUMBER OF SEQ ID NOS: 939
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 812
: LENGTH: 344
: TYPE: PRT
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: SITE
: LOCATION: (170)
: OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-853-812

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Query Match	99.6%	Score 1388;	DB 10;	Length 344;
Best Local Similarity	99.6%	Pred. No. 2.4e-11;		
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				Gaps 0;
QY 1	EKEEAVAVGSDVLELSCACPEGSRFNDINDVYYWQTSSEKTYVTYTHIPQNSLLENVDSSRR	60		
Db 64	EKEEAVAVGSDVLELSCACPEGSRFNDINDVYYWQTSSEKTYVTYTHIPQNSLLENVDSSRR	123		
QY 61	NRALMSFAGMLRGDFSLRLFNVTPODEOKFHCLVLSQSGLQEVLSVEVTLHYAANFSVP	120		
Db 124	NRALMSFAGMLRGDFSLRLFNVTPODEOKFHCLVLSQSGLQEVLSXEVTLHYAANFSVP	183		
QY 121	VVSAPHSPSODELTFCTCSINGYPRPNYYIMKNTDNSLLDQALQNDIVFLNMGGLVDVVS	180		
Db 184	VVSAPHSPSODELTFCTCSINGYPRPNYYIMKNTDNSLLDQALQNDIVFLNMGGLVDVVS	243		
QY 181	VLRARFPPSVNICCTEENYLLQONTLVGSQGTNGDGEHDKITTEPNVSTGKRNATWSILA	240		
Db 244	VLRARFPPSVNICCTEENYLLQONTLVGSQGTNGDGEHDKITTEPNVSTGKRNATWSILA	303		
QY 241	VLCLLVVAVAYAGMCRDRCLOHSYAG	267		
Db 304	VLCLLVVAVAYAGMCRDRCLOHSYAG	330		
RESULT 12				
OS-09-915-789a-11				



; Sequence 11, Application US/09915789A  
; Patent No. US20020168762A1  
; GENERAL INFORMATION:  
; APPLICANT: Chen, Lieping  
; TITLE OF INVENTION: B7-H3 AND B7-H4, NOVEL IMMUNOREGULATORY  
; TITLE OF INVENTION: MOLECULES  
; FILE REFERENCE: 07039-219001  
; CURRENT APPLICATION NUMBER: US/09/915,789A  
; CURRENT FILING DATE: 2002-06-04  
; PRIOR APPLICATION NUMBER: US 60/220,991  
; PRIOR FILING DATE: 2000-07-27  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 11  
; LENGTH: 241  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-915-789A-11

Query Match 87.5%; Score 1219; DB 9; Length 241;  
Best Local Similarity 99.6%; Pred. No. 4.9e-97;  
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QY 1 EKEVRAMGSDVELSCACPEGSREFLDNDVYVWQTSSEKTYVTHIPONSSLENVDSRXR 60  
DB 7 EKEVRAMGSDVELSCACPEGSREFLDNDVYVWQTSSEKTYVTHIPONSSLENVDSRXR 66  
QY 61 NRALMSPAGMLRGDFSLRLFNVTPODEQKFHCLVLSQSLGFQEVLSVEVTLHVAANFSVP 120  
DB 67 NRALMSPAGMLRGDFSLRLFNVTPODEQKFHCLVLSQSLGFQEVLSIEVTLHVAANFSVP 126  
QY 121 VVSAPHSPODELFTCTCSINGYPRPNVYWKNTDNLDOALONDVFLNKGILYDVS 180  
DB 127 VVSAPHSPODELFTCTCSINGYPRPNVYWKNTDNLDOALONDVFLNKGILYDVS 186  
QY 181 VRIARTPSVNIACCIEENVLLQONLTVGSOTGNDIGERDKITENPVSTGEKNAAT 235  
DB 187 VRIARTPSVNIACCIEENVLLQONLTVGSOTGNDIGERDKITENPVSTGEKNAAT 241

RESULT 13  
US-09-866-050A-664  
; Sequence 664, Application US/09866050A  
; Publication No. US20030040471A1  
; GENERAL INFORMATION:  
; APPLICANT: Watson, James D.  
; APPLICANT: Strachan, Lorna  
; APPLICANT: Sleeman, Matthew  
; APPLICANT: Orust, Rene  
; APPLICANT: Murison, James G.  
; TITLE OF INVENTION: Compositions isolated from skin cells  
; TITLE OF INVENTION: and Methods for their use  
; FILE REFERENCE: 11000,1011c4U  
; CURRENT APPLICATION NUMBER: US/09/866,050A  
; CURRENT FILING DATE: 2001-05-24  
; NUMBER OF SEQ ID NOS: 725  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 664  
; LENGTH: 307  
; TYPE: PRT  
; ORGANISM: Rat  
US-09-866-050A-664

Query Match 45.7%; Score 636.5; DB 9; Length 307;  
Best Local Similarity 51.3%; Pred. No. 6.4e-47;  
Matches 140; Conservative 37; Mismatches 85; Indels 11; Gaps 7;

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DB 87 YNRALMSPAGMLRGDFSLRLFNVTPODEQKFHCLVLSQSLGFQEVLSIEVTLHVAANFS 146  
QY 119 VPVYAPHS--PSDELTFTCTCSINGYPRPNVYWKNTDNLDOALONDVFLNKGILY 176  
DB 147 VPVYAPHS--PSDELTFTCTCSINGYPRPNVYWKNTDNLDOALONDVFLNKGILY 205  
QY 177 DVVSLIARTPSVNIACCIEENVLLQONLTVGSOTGNDIGERDKITENPVSTGEKNAAT 234  
DB 206 DVVSLIARTPSVNIACCIEENVLLQONLTVGSOTGNDIGERDKITENPVSTGEKNAAT 263  
QY 235 TWSTILAVCLIVVAVAIGWYCRDCLQHSYAG 267  
DB 264 TWSTILAVCLIVVAVAIGWYCRDCLQHSYAG 295

RESULT 14  
US-09-910-174A-29  
; Sequence 29, Application US/09910174A  
; Patent No. US20020106730A1  
; GENERAL INFORMATION:  
; APPLICANT: Fraser, Christopher C.  
; APPLICANT: Manning, Stephen  
; TITLE OF INVENTION: B7-H2 Molecules, No. US20020106730A1 Members of the B7  
; TITLE OF INVENTION: Family and Uses thereof  
; FILE REFERENCE: 35800/236924  
; CURRENT APPLICATION NUMBER: US/09/910,174A  
; CURRENT FILING DATE: 2001-07-20  
; PRIOR APPLICATION NUMBER: US 09/620,461  
; PRIOR FILING DATE: 2000-07-20  
; NUMBER OF SEQ ID NOS: 32  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 29  
; LENGTH: 322  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-910-174A-29

Query Match 40.2%; Score 559.5; DB 10; Length 322;  
Best Local Similarity 46.2%; Pred. No. 2.7e-40;  
Matches 127; Conservative 38; Mismatches 91; Indels 19; Gaps 7;

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QY 61 NRALMSPAGMLRGDFSLRLFNVTPODEQKFHCLVLSQSLGFQEVLSIEVTLHVAANFSV 119  
DB 107 NRALMSPAGMLRGDFSLRLFNVTPODEQKFHCLVLSQSLGFQEVLSIEVTLHVAANFSV 166  
QY 120 VVSAPHSPODELFTCTCSINGYPRPNVYWKNTDNLDOALONDVFLNKGILYDVS 177  
DB 167 VVSAPHSPODELFTCTCSINGYPRPNVYWKNTDNLDOALONDVFLNKGILYDVS 225  
QY 178 VVSAPHSPODELFTCTCSINGYPRPNVYWKNTDNLDOALONDVFLNKGILYDVS 233  
DB 226 VVSAPHSPODELFTCTCSINGYPRPNVYWKNTDNLDOALONDVFLNKGILYDVS 278  
QY 234 ATWSILAVCLIVVAVAIGWYCRDCLQHSYAG 267  
DB 279 ATWSILAVCLIVVAVAIGWYCRDCLQHSYAG 310

RESULT 15  
US-09-915-789A-1  
; Sequence 1, Application US/09915789A  
; Patent No. US20020168762A1  
; GENERAL INFORMATION:  
; APPLICANT: Chen, Lieping  
; TITLE OF INVENTION: B7-H3 AND B7-H4, NOVEL IMMUNOREGULATORY  
; TITLE OF INVENTION: MOLECULES  
; FILE REFERENCE: 07039-219001



GenCore version 5.1.4.p5.4578  
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OM protein - protein search, using sw model

Run on: May 24, 2003, 16:25:54 ; Search time 9.73791 Seconds  
(without alignments)  
806.735 Million cell updates/sec

Title: US-09-728-420C-13

Perfect score: 1393  
Sequence: 1 EKEVRAMVGSDELSCAPE.....VAVAIQWCRDRLQHSYAG 267

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database :  
1: Issued Patents\_AA:\*  
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3: /cgn2\_6/prodata/1/iaa/5B\_COMB.pep:\*  
4: /cgn2\_6/prodata/1/iaa/6A\_COMB.pep:\*  
5: /cgn2\_6/prodata/1/iaa/6B\_COMB.pep:\*  
6: /cgn2\_6/prodata/1/iaa/6C\_COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	272	19.5	340	4	US-09-651-200-2
2	272	19.5	441	4	US-09-651-200-4
3	270	19.4	534	4	US-09-651-200-6
4	270	19.4	534	4	US-09-651-200-24
5	183.5	13.2	329	4	US-09-651-200-19
6	182	13.1	329	4	US-09-651-200-18
7	173	12.4	589	2	US-08-724-394A-1
8	169	12.1	303	4	US-09-651-200-23
9	169	12.1	309	2	US-08-456-104-4
10	169	12.1	309	3	US-08-479-744A-23
11	169	12.1	309	4	US-08-280-757B-23
12	169	12.1	309	4	US-08-205-697A-21
13	169	12.1	309	4	US-08-702-525-21
14	169	12.1	309	4	US-09-651-200-22
15	169	12.1	309	5	PCR-US95-02576-21
16	169	12.1	314	4	US-08-205-697A-13
17	169	12.1	314	4	US-08-702-525-13
18	169	12.1	314	5	PCR-US95-02576-13
19	167.5	12.0	325	4	US-09-651-200-20
20	164.5	11.8	288	2	US-08-147-772-2
21	164.5	11.8	288	2	US-08-456-104-6
22	164.5	11.8	288	2	US-08-101-624-23
23	164.5	11.8	288	2	US-08-751-767A-6
24	164.5	11.8	288	3	US-08-153-262-2
25	164.5	11.8	288	3	US-08-479-744A-29
26	164.5	11.8	288	4	US-08-280-757B-29
27	164.5	11.8	288	4	US-09-159-135-2

28	164.5	11.8	288	4	US-08-205-697A-19	Sequence 19, Appl
29	164.5	11.8	288	4	US-08-702-525-19	Sequence 19, Appl
30	164.5	11.8	288	4	US-09-450-798-2	Sequence 2, Appl
31	164.5	11.8	288	4	US-08-403-253A-2	Sequence 2, Appl
32	164.5	11.8	288	4	US-09-651-200-13	Sequence 13, Appl
33	164.5	11.8	288	5	PCR-US95-02576-19	Sequence 19, Appl
34	161	11.6	208	4	US-09-460-384-36	Sequence 36, Appl
35	161	11.6	473	4	US-09-171-945-131	Sequence 131, App
36	159	11.4	323	5	PCR-US94-09642-2	Sequence 21, App
37	159	11.4	323	2	US-08-456-104-2	Sequence 2, Appl
38	159	11.4	329	2	US-08-101-624-2	Sequence 2, Appl
39	159	11.4	329	3	US-08-479-744A-2	Sequence 2, Appl
40	159	11.4	329	4	US-08-280-757B-2	Sequence 2, Appl
41	159	11.4	329	4	US-08-205-697A-23	Sequence 23, Appl
42	159	11.4	329	4	US-08-702-525-23	Sequence 23, Appl
43	159	11.4	329	4	US-08-403-253A-4	Sequence 4, Appl
44	159	11.4	329	5	PCR-US95-02576-23	Sequence 23, Appl
45	159	11.4	329	5		

## ALIGNMENTS

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RESULT 1
; US-09-651-200-2
; Sequence 2, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 340
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-651-200-2

Query Match          19.5% Score 272; DB 4; Length 340;
Best Local Similarity 31.3%; Pred. No. 2e-19;
Matches 84; Conservative 39; Mismatches 101; Indels 44; Gaps 10;
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DB 59 EDPVVALVDTATLHCSPERGFSLTQNLIMQTLDKOLV-----HSFTGSDQSA 112
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QY 59 YNRRALMSAGLRDPSIRLENNVTPDQKHCYLSQSLEFQVLSVEVTLVHANS 118
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DB 113 YNRRALFPDLIAQNASIRLQRRVADGSGTCEVSIRDFG-----SAAVSLQVAAYS 167
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DB 168 KP--SMTEPPNNDLRPGTIVTITSSYNGYPAEAFWMDGQCVPLTGAVTTSQ----- 218
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QY 229 GEKNATYSILAVLCLLVVAVAIQWVC 256
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DB 269 PPE--ALMVTYGLSVCLTALVAVAFVC 294
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US-09-651-200-4
; Sequence 4, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 4
; LENGTH: 441
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-4
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Best Local Similarity 31.3%; Pred. No. 2,9e-19;
Matches 84; Conservative 39; Mismatches 101; Indels 44; Gaps 10;
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QY 59 YNRNALMSPAGMLRGDFSLRLFNVTPODEKFFHCLVLSQSLGFEVLSVEVTLHVAANFS 118
DB 214 YANRTALFPDLAOGNASLRQVRVADGSGFTCFVSIRDFG-----SAAVSLQVAAPYS 268
QY 119 VPVVSAPHSPSQ-----DELFTCTTSINGYPRPNVYV-----INKTNSLLDQALNDTV 168
DB 269 KP--SMTLEPNKDLRPGDVTITTCSSYRGYPEAEVFMQDGGVPLTGVNTTSQ----- 319
QY 169 FLNMRGLDVSVLRARTPSVNICCIENVLLQONTLVGSOTGNDIGERDKITENPVST 228
DB 320 MANQGLFEDVHSLRVVLGANGTYSCLVRNPVLODD-AHGSVY-----ITGQPMTF 369
QY 229 GEKNATWSILAVLCLLVVAVVAIGWVC 256
DB 370 PPE--ALWVTVGLSVCLIALVALAFAVC 395
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RESULT 3
US-09-651-200-6
; Sequence 6, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 6
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LENGTH: 534
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-6
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Query Match 19.4%; Score 270; DB 4; Length 534;
Best Local Similarity 31.3%; Pred. No. 6.1e-19;
Matches 84; Conservative 39; Mismatches 101; Indels 44; Gaps 10;
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QY 59 YNRNALMSPAGMLRGDFSLRLFNVTPODEKFFHCLVLSQSLGFEVLSVEVTLHVAANFS 118
DB 307 YANRTALFPDLAOGNASLRQVRVADGSGFTCFVSIRDFG-----SAAVSLQVAAPYS 361
QY 119 VPVVSAPHSPSQ-----DELFTCTTSINGYPRPNVYV-----INKTNSLLDQALNDTV 168
DB 362 KP--SMTLEPNKDLRPGDVTITTCSSYRGYPEAEVFMQDGGVPLTGVNTTSQ----- 412
QY 169 FLNMRGLDVSVLRARTPSVNICCIENVLLQONTLVGSOTGNDIGERDKITENPVST 228
DB 413 MANQGLFEDVHSLRVVLGANGTYSCLVRNPVLODD-AHGSVY-----ITGQPMTF 462
QY 229 GEKNATWSILAVLCLLVVAVVAIGWVC 256
DB 463 PPE--ALWVTVGLSVCLIALVALAFAVC 488
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RESULT 4
US-09-651-200-24
; Sequence 24, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 24
; LENGTH: 534
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Sequence
; OTHER INFORMATION: m25020.protein from Figure 4.
US-09-651-200-24
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Best Local Similarity 31.3%; Pred. No. 6.1e-19;
Matches 84; Conservative 39; Mismatches 101; Indels 44; Gaps 10;

QY 1 EKEVRAMGSDVELSCACPEGRSFDLNDVYVYVWQTSKTVVTHIPONSLENVD--SR 58
DB 253 EDPVALVGTADATLHCFSFEPGFSLAQLNLWQLTDTKQLV-----HSFTEGRDQSA 306
QY 59 YNRNALMSPAGMLRGDFSLRLFNVTPODEKFFHCLVLSQSLGFEVLSVEVTLHVAANFS 118
DB 307 YANRTALFPDLAOGNASLRQVRVADGSGFTCFVSIRDFG-----SAAVSLQVAAPYS 361
QY 119 VPVVSAPHSPSQ-----DELFTCTTSINGYPRPNVYV-----INKTNSLLDQALNDTV 168
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GenCore version 5.1.4.p5.4578  
Copyright (c) 1993 - 2003 CompuGen Ltd.

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Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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14: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1571	100.0	302	9	US-09-896-738-13
2	1571	100.0	302	10	US-09-955-866-7
3	1570	99.9	302	9	US-09-915-789A-18
4	1570	99.9	343	10	US-09-764-853-630
5	1570	99.9	345	9	US-10-091-438-210
6	1570	99.9	345	9	US-09-764-853-810
7	1570	99.9	370	9	US-10-091-438-150
8	1566	99.7	302	10	US-09-789-561-136
9	1566	99.7	344	10	US-10-091-438-212
10	1553	98.9	344	10	US-09-764-853-812
11	1553	98.9	309	10	US-09-910-174A-7
12	1248	79.4	241	9	US-09-915-789A-11
13	688.5	43.8	307	9	US-09-866-050A-664
14	599.5	38.2	322	10	US-09-910-174A-29
15	296	18.8	316	9	US-09-915-789A-1
16	296	18.8	316	9	US-10-077-023-13
17	296	18.8	316	9	US-10-156-424A-2
18	296	18.8	316	9	US-10-156-424A-28
19	296	18.8	316	10	US-09-875-338-13

20	296	18.8	316	10	US-09-910-174A-24	Sequence 24, Appl
21	295	18.8	316	9	US-10-077-023-11	Sequence 11, Appl
22	295	18.8	316	10	US-09-875-338-11	Sequence 11, Appl
23	294	18.7	316	9	US-09-915-789A-3	Sequence 3, Appl1
24	292	18.6	316	9	US-09-978-295A-137	Sequence 137, App
25	292	18.6	316	9	US-09-896-738-14	Sequence 14, Appl
26	292	18.6	316	9	US-09-978-697-137	Sequence 137, App
27	292	18.6	316	9	US-09-978-192A-137	Sequence 137, App
28	292	18.6	316	9	US-09-999-832A-137	Sequence 137, App
29	292	18.6	316	9	US-09-790-622-4	Sequence 4, Appl1
30	292	18.6	316	9	US-09-978-189-137	Sequence 137, App
31	292	18.6	316	9	US-10-174-590-54	Sequence 54, Appl
32	292	18.6	316	9	US-10-176-758-54	Sequence 54, Appl
33	292	18.6	316	9	US-10-175-737-54	Sequence 54, Appl
34	292	18.6	316	9	US-10-173-706-54	Sequence 54, Appl
35	292	18.6	316	9	US-10-175-738-54	Sequence 54, Appl
36	292	18.6	316	9	US-10-175-752-54	Sequence 54, Appl
37	292	18.6	316	9	US-10-176-482-54	Sequence 54, Appl
38	292	18.6	316	9	US-10-176-757-54	Sequence 54, Appl
39	292	18.6	316	9	US-10-176-913-54	Sequence 54, Appl
40	292	18.6	316	9	US-10-180-552-54	Sequence 54, Appl
41	292	18.6	316	9	US-10-180-557-54	Sequence 54, Appl
42	292	18.6	316	9	US-10-173-700-54	Sequence 54, Appl
43	292	18.6	316	9	US-10-174-572-54	Sequence 54, Appl
44	292	18.6	316	9	US-10-174-579-54	Sequence 54, Appl
45	292	18.6	316	9	US-10-174-582-54	Sequence 54, Appl

#### ALIGNMENTS

RESULT 1  
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; Sequence 13, Application US/09896738  
; Patent No. US20020165347A1  
; GENERAL INFORMATION:  
; APPLICANT: Fox, Michael  
; APPLICANT: Sullivan, John K.  
; APPLICANT: Fang, Mei  
; TITLE OF INVENTION: B7-Like Molecules and Uses Thereof  
; FILE REFERENCE: 00-513-A  
; CURRENT APPLICATION NUMBER: US/09/896,738  
; CURRENT FILING DATE: 2001-06-29  
; PRIOR APPLICATION NUMBER: 60/215,645  
; PRIOR FILING DATE: 2000-06-30  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 13  
; LENGTH: 302  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-896-738-13

Query Match 100.0%; Score 1571; DB 9; Length 302;  
Best Local Similarity 100.0%; Pred. No. 3.4e-122;  
Matches 302; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MRIGSPGLFLFFSSIRADTQKEVRAWGSVYELSCACPRGSRDLDVYVYVWQTSRSK 60	
DB	1	MRIGSPGLFLFFSSIRADTQKEVRAWGSVYELSCACPRGSRDLDVYVYVWQTSRSK 60	
QY	61	TYVYTHIIPNSSLNVDSTRYRRALMSPAGMLRGFSRLFNVTPODQKFKFLVLSSTL 120	
DB	61	TYVYTHIIPNSSLNVDSTRYRRALMSPAGMLRGFSRLFNVTPODQKFKFLVLSSTL 120	
QY	121	GRQEVLSVEVTLVVAANESVPPVSAAPHSPDSODELFTCTGSINGYRPNVYVWQTSRSK 180	
DB	121	GRQEVLSVEVTLVVAANESVPPVSAAPHSPDSODELFTCTGSINGYRPNVYVWQTSRSK 180	
QY	181	DOALQNDVFEFLMGRGLYDVVSLARTAPSVATIGCCINVLQQLTVGSGNDIGSRD 240	
DB	181	DOALQNDVFEFLMGRGLYDVVSLARTAPSVATIGCCINVLQQLTVGSGNDIGSRD 240	

	Query Match	99.9%	Score 1570	DB 10	Length 343
	Best Local Similarity	99.7%	Pred. No. 4.7e-122		
	Matches 301	Conservative 1	Mismatches 0	Indels 0	Gaps 0
QY	1	MRGSPQLLEFLRSSLRADTOEKREVRAMGSDVELSCAPGSGRFNDINDVYVWQTSSEK	60		
Db	42	MRGSPQLLEFLRSSLRADTOEKREVRAMGSDVELSCAPGSGRFNDINDVYVWQTSSEK	101		
QY	61	TVVYTHIPQSSLENDSDRYRNRALMSPAGMLRGDFSRLFNVTYPODEQKPHCLVLSQSL	120		
Db	102	TVVYTHIPQSSLENDSDRYRNRALMSPAGMLRGDFSRLFNVTYPODEQKPHCLVLSQSL	161		
QY	121	GFQEVLSVEFTLVANAFSPVPVYASPHSODELFTCTSTNGIPRRVYVWINKTDSLL	180		
Db	162	GFQEVLSVEFTLVANAFSPVPVYASPHSODELFTCTSTNGIPRRVYVWINKTDSLL	221		

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OY 181 DOALONDFVLMNGLYVSVLRIARTPSVNICCIENVLLOONTVGSOTGNDIGERD 240
DB 222 DOALONDFVLMNGLYVSVLRIARTPSVNICCIENVLLOONTVGSOTGNDIGERD 281
OY 241 KITEPVSTGEKNATWSILAVLCILVYVAVAIGWCDRLOHSHYAGAMVSETELTG 300
DB 282 KITEPVSTGEKNATWSILAVLCILVYVAVAIGWCDRLOHSHYAGAMVSETELTG 341
OY 301 HV 302
DB 342 HV 343

RESULT 5
US-10-091-438-210
: Sequence 210, Application US/10091438
: Publication No. US20030077606A1
: GENERAL INFORMATION:
: APPLICANT: Rosen et al.
: TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
: FILE REFERENCE: PT217C1
: CURRENT APPLICATION NUMBER: US/10/091,438
: CURRENT FILING DATE: 2001-01-17
: PRIOR APPLICATION NUMBER: 09/764,879
: PRIOR FILING DATE: 2001-01-17
: PRIOR APPLICATION NUMBER: 60/179,065
: PRIOR FILING DATE: 2000-01-31
: PRIOR APPLICATION NUMBER: 60/180,628
: PRIOR FILING DATE: 2000-02-04
: PRIOR APPLICATION NUMBER: 60/214,886
: PRIOR FILING DATE: 2000-06-28
: PRIOR APPLICATION NUMBER: 60/217,487
: PRIOR FILING DATE: 2000-07-11
: PRIOR APPLICATION NUMBER: 60/225,758
: PRIOR FILING DATE: 2000-08-14
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: PRIOR FILING DATE: 2000-07-26
: PRIOR APPLICATION NUMBER: 60/217,496
: PRIOR FILING DATE: 2000-07-11
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: PRIOR FILING DATE: 2000-08-14
: PRIOR APPLICATION NUMBER: 60/218,290
: PRIOR FILING DATE: 2000-07-14
: PRIOR APPLICATION NUMBER: 60/225,757
: PRIOR FILING DATE: 2000-08-14
: PRIOR APPLICATION NUMBER: 60/226,868
: PRIOR FILING DATE: 2000-08-22
: PRIOR APPLICATION NUMBER: 60/216,647
: PRIOR FILING DATE: 2000-07-07
: PRIOR APPLICATION NUMBER: 60/225,267
: PRIOR FILING DATE: 2000-08-14
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: PRIOR FILING DATE: 2000-07-26

: PRIOR APPLICATION NUMBER: 60/241,809
: PRIOR FILING DATE: 2000-10-20
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;; PRIOR FILING DATE: 2000-10-20  
;; PRIOR APPLICATION NUMBER: 60/246,475  
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;; PRIOR APPLICATION NUMBER: 60/231,243  
;; PRIOR FILING DATE: 2000-09-08

Query Match 99.9%: Score 1570: DB 9: Length 345;  
Best Local Similarity 99.7%: Pred. No. 4.8e-122;  
Matches 301: Conservative 1: Mismatches 0: Indels 0: Gaps 0;

QY 1 MRLGSPGLLEFLFSSLRADTQEKERVAMGSDVELSCACPEGSRPDLNDVYVWQTSSEK 60  
DB 44 MRLGSPGLLEFLFSSLRADTQEKERVAMGSDVELSCACPEGSRPDLNDVYVWQTSSEK 103  
QY 61 TVVTVYHHPONSSLENDSDRYRNRLALMSGPMLRGDSLELFFVNTQDDEKFFCLVLSQSL 120  
DB 104 TVVTVYHHPONSSLENDSDRYRNRLALMSGPMLRGDSLELFFVNTQDDEKFFCLVLSQSL 163  
QY 121 GFEQVLSVEVTLHVAANFVSVPVVSAPHSPODELFTCTCSINGYRPNNYWIINKTDSNLL 180  
DB 164 GFEQVLSIEVTLHVAANFVSVPVVSAPHSPODELFTCTCSINGYRPNNYWIINKTDSNLL 223  
QY 181 DQALQNDTQVFLNMRGLYDVVSVLRIRTPSVNIGCCIEENVLLQONLTGVSQGTGNDIGERD 240  
DB 224 DQALQNDTQVFLNMRGLYDVVSVLRIRTPSVNIGCCIEENVLLQONLTGVSQGTGNDIGERD 283  
QY 241 KITENPVSTGEKNAATWSILAVLCLLVVAVAIGWVCRCRCLQHSYAGAMAVSPETELTG 300  
DB 284 KITENPVSTGEKNAATWSILAVLCLLVVAVAIGWVCRCRCLQHSYAGAMAVSPETELTG 343  
QY 301 HV 302  
DB 344 HV 345

RESULT 6  
US-09-764-853-810  
; Sequence 810, Application US/09764853  
; Patent No. US2002090672A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: P1206  
; CURRENT FILING DATE: US/09/764,853  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 939  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 810  
; LENGTH: 345  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-764-853-810

Query Match 99.9%: Score 1570: DB 10: Length 345;  
Best Local Similarity 99.7%: Pred. No. 4.8e-122;  
Matches 301: Conservative 1: Mismatches 0: Indels 0: Gaps 0;

QY 1 MRLGSPGLLEFLFSSLRADTQEKERVAMGSDVELSCACPEGSRPDLNDVYVWQTSSEK 60  
DB 44 MRLGSPGLLEFLFSSLRADTQEKERVAMGSDVELSCACPEGSRPDLNDVYVWQTSSEK 103  
QY 61 TVVTVYHHPONSSLENDSDRYRNRLALMSGPMLRGDSLELFFVNTQDDEKFFCLVLSQSL 120  
DB 104 TVVTVYHHPONSSLENDSDRYRNRLALMSGPMLRGDSLELFFVNTQDDEKFFCLVLSQSL 163  
QY 121 GFEQVLSVEVTLHVAANFVSVPVVSAPHSPODELFTCTCSINGYRPNNYWIINKTDSNLL 180  
DB 164 GFEQVLSIEVTLHVAANFVSVPVVSAPHSPODELFTCTCSINGYRPNNYWIINKTDSNLL 223  
QY 181 DQALQNDTQVFLNMRGLYDVVSVLRIRTPSVNIGCCIEENVLLQONLTGVSQGTGNDIGERD 240  
DB 224 DQALQNDTQVFLNMRGLYDVVSVLRIRTPSVNIGCCIEENVLLQONLTGVSQGTGNDIGERD 283  
QY 241 KITENPVSTGEKNAATWSILAVLCLLVVAVAIGWVCRCRCLQHSYAGAMAVSPETELTG 300  
DB 284 KITENPVSTGEKNAATWSILAVLCLLVVAVAIGWVCRCRCLQHSYAGAMAVSPETELTG 343  
QY 301 HV 302  
DB 344 HV 345



RESULT 7  
US-10-091-438-150  
Sequence 150, Application US/10091438  
Publication No. US20030077606A1  
GENERAL INFORMATION:  
APPLICANT: Rosen et al.  
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
FILE REFERENCE: PTZ17C1  
CURRENT APPLICATION NUMBER: US/10/091,438  
CURRENT FILING DATE: 2001-01-17  
PRIOR APPLICATION NUMBER: 09/764,879  
PRIOR FILING DATE: 2001-01-17  
PRIOR APPLICATION NUMBER: 60/179,065  
PRIOR FILING DATE: 2000-01-31  
PRIOR APPLICATION NUMBER: 60/180,628  
PRIOR FILING DATE: 2000-02-04  
PRIOR APPLICATION NUMBER: 60/214,886  
PRIOR FILING DATE: 2000-06-28  
PRIOR APPLICATION NUMBER: 60/217,487  
PRIOR FILING DATE: 2000-07-11  
PRIOR APPLICATION NUMBER: 60/225,758  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/220,963  
PRIOR FILING DATE: 2000-07-26  
PRIOR APPLICATION NUMBER: 60/217,496  
PRIOR FILING DATE: 2000-07-11  
PRIOR APPLICATION NUMBER: 60/225,447  
PRIOR FILING DATE: 2000-08-14  
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PRIOR FILING DATE: 2000-07-14  
PRIOR APPLICATION NUMBER: 60/225,757  
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PRIOR APPLICATION NUMBER: 60/226,868  
PRIOR FILING DATE: 2000-08-22  
PRIOR APPLICATION NUMBER: 60/216,647  
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PRIOR APPLICATION NUMBER: 60/225,267  
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PRIOR FILING DATE: 2000-08-14  
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PRIOR FILING DATE: 2000-09-27  
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PRIOR FILING DATE: 2000-09-21  
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PRIOR APPLICATION NUMBER: 60/224,518  
PRIOR FILING DATE: 2000-08-14  
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PRIOR APPLICATION NUMBER: 60/220,964  
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PRIOR APPLICATION NUMBER: 60/241,809  
PRIOR FILING DATE: 2000-10-20  
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PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/236,327  
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PRIOR APPLICATION NUMBER: 60/241,785  
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PRIOR APPLICATION NUMBER: 60/244,617  
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PRIOR APPLICATION NUMBER: 60/225,268  
PRIOR FILING DATE: 2000-08-14

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PRIOR APPLICATION NUMBER: 60/229,509  
PRIOR FILING DATE: 2000-09-05  
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PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/237,038  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/236,370  
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PRIOR APPLICATION NUMBER: 60/237,040  
PRIOR FILING DATE: 2000-10-02  
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PRIOR FILING DATE: 2000-10-20  
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PRIOR APPLICATION NUMBER: 60/239,937  
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 18 PRIOR APPLICATION NUMBER: 60/249, 264  
 19 PRIOR FILING DATE: 2000-11-17  
 20 PRIOR APPLICATION NUMBER: 60/249, 214  
 21 PRIOR FILING DATE: 2000-11-17  
 22 PRIOR APPLICATION NUMBER: 60/249, 297  
 23 PRIOR FILING DATE: 2000-11-17  
 24 PRIOR APPLICATION NUMBER: 60/232, 400  
 25 PRIOR FILING DATE: 2000-09-14  
 26 PRIOR APPLICATION NUMBER: 60/231, 242  
 27 PRIOR FILING DATE: 2000-09-08  
 28 PRIOR APPLICATION NUMBER: 60/232, 081  
 29 PRIOR FILING DATE: 2000-09-08  
 30 PRIOR APPLICATION NUMBER: 60/232, 080  
 31 PRIOR FILING DATE: 2000-09-08  
 32 PRIOR APPLICATION NUMBER: 60/231, 414  
 33 PRIOR FILING DATE: 2000-09-08  
 34 PRIOR APPLICATION NUMBER: 60/231, 244  
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 36 PRIOR APPLICATION NUMBER: 60/233, 064  
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 53 PRIOR FILING DATE: 2000-10-20  
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 57 PRIOR FILING DATE: 2000-09-08

Query Match	99.9%	Score 1570	DB 9	Length 370
Best Local Similarity	99.7%	Pred. No. 5.2e-122		
Matches 301	Conservative 1	Mismatches 0	Indels 0	Gaps 0
QY	1	MRGSPGLLEFLSSLRADTQKEVRAMWSPVELSCAPGCSRFDDNDYYVWQTSSEK	60	
Db	69	MRGSPGLLEFLSSLRADTQKEVRAMWSPVELSCAPGCSRFDDNDYYVWQTSSEK	128	
QY	61	TVVYTHLPQSSLENDSDRYRNKALMSPAGMLRGDFSRLFNVTPODEQRFHCLVYSQSL	120	
Db	129	TVVYTHLPQSSLENDSDRYRNKALMSPAGMLRGDFSRLFNVTPODEQRFHCLVYSQSL	188	
QY	121	GFQEVLSVEVTLVVAANFSPVYVSAFHSQDELFTCTSTINGCPRRNVYWKNTDSSL	180	
Db	189	GFQEVLSIEVTLVVAANFSPVYVSAFHSQDELFTCTSTINGCPRRNVYWKNTDSSL	248	

QY	131	DOALONDVFLNMGSLHYVSVLRIARTPSVNICCCLENTLLOONLTVGSOTGNDIGERD	240
Db	249	DOALONDVFLNMRGLDYVSVLRIARTPSVNICCCLENTLLOONLTVGSOTGNDIGERD	308
QY	241	KITEHPVSTGERKNATWSILAVLCILVVVAATGWCORCLQHSYAGAAVSPETELTG	300
Db	309	KITEHPVSTGERKNATWSILAVLCILVVVAATGWCORCLQHSYAGAAVSPETELTG	368
QY	301	HY 302	
Db	369	HY 370	

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      RESULT 8
      US-09-789-561-136
      ; Sequence 136, Application US/09789561
      ; Patent No. US20020064818A1
      ; GENERAL INFORMATION:
      ; APPLICANT: Ni et al.
      ; TITLE OF INVENTION: 52 Human secreted proteins
      ; FILE REFERENCE: P2043P1
      ; CURRENT APPLICATION NUMBER: US/09/789,561
      ; CURRENT FILING DATE: 2001-02-22
      ; PRIOR APPLICATION NUMBER: PCT/US00/24008
      ; PRIOR FILING DATE: 2000-08-31
      ; PRIOR APPLICATION NUMBER: 60/152,317
      ; PRIOR FILING DATE: 1999-09-03
      ; PRIOR APPLICATION NUMBER: 60/152,315
      ; PRIOR FILING DATE: 1999-09-03
      ; NUMBER OF SEQ. ID NOS: 194
      ; SOFTWARE: PatentIn Ver. 2.0
      ; SEQ. ID NO 136
      ; LENGTH: 302
      ; TYPE: PRT
      ; ORGANISM: Homo sapiens
      ; FEATURE:
      ; NAME/KEY: SITE
      ; LOCATION: (128)
      ; OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids
      US-09-789-561-136

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	Query Match	99.7%	Score 1566;	DB 10;	Length 302;
	Best Local Similarity	99.7%;	Pred. No. 8.7e-122;		
	Matches 301; Conservative	0;	Mismatches 1;	Indels 0;	Gaps 0
OY	1 MRLSGGLFLFSLSSLRADFOEKEVRAMGSVDTELSCACPEGSREFLDNDVYVMQTSSEK 60				
Db	1 MRLSGGLFLFSLSRADFOEKEVRAMGSVDTELSCLACPESRRDLNDVYVMQTSSEK 60				
OY	61 TVVTYTHIPQNSSLLENVDSRYRNRLALMSGDLSLRFNVTPODEOKFHCLVLSOSL 120				
Db	61 TVVTYTHIPQNSSLLENVDSRYRNRLALMSGDLSLRFNVTPODEOKFHCLVLSOSL 120				
OY	121 GEOVLSEVETLLHVAANFSVPVVSAHPSPODELFPTCSINGYRPRPVNYINKTIDNSL 180				
Db	121 GFGEVLSAEVETLLHVAANFSVPVVSAPHSPSODELFTCTISINGYRPRPVNYINKTIDNSL 180				
OY	181 DQALONDTVFLNMKGGLDVYSVLRIARTPSSVNIQCIEENVLLQQMLTVGSQTGDNDIGERD 240				
Db	181 DQALONDTVFLNMKGGLDVYSVLRIARTPSSVNIQCIEENVLLQQMLTVGSQTGDNDIGERD 240				
OY	241 KITEPNVSTGEKNAATWSILAVICLLVYAVALGWGCRCRCLQSHSYACAAMAVSETELTG 300				
Db	241 KITEPNVSTGEKNAATWSILAVICLLVYAVALGWGCRCRCLQSHSYAGAMAVSPELTGTG 300				
OY	301 HV 302				
Db	301 HV 302				

Sequence 212, Application US/10091438  
Publication No. US2003007606A1  
GENERAL INFORMATION:  
APPLICANT: Rosen et al.  
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
FILE REFERENCE: PT217C1  
CURRENT APPLICATION NUMBER: US/10/091,438  
CURRENT FILING DATE: 2001-01-17  
PRIOR APPLICATION NUMBER: 09/764,879  
PRIOR FILING DATE: 2001-01-17  
PRIOR APPLICATION NUMBER: 60/179,065  
PRIOR FILING DATE: 2000-01-31  
PRIOR APPLICATION NUMBER: 60/180,628  
PRIOR FILING DATE: 2000-02-04  
PRIOR APPLICATION NUMBER: 60/214,886  
PRIOR FILING DATE: 2000-06-28  
PRIOR APPLICATION NUMBER: 60/217,487  
PRIOR FILING DATE: 2000-07-11  
PRIOR APPLICATION NUMBER: 60/225,758  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/220,963  
PRIOR FILING DATE: 2000-07-26  
PRIOR APPLICATION NUMBER: 60/221,496  
PRIOR FILING DATE: 2000-07-11  
PRIOR APPLICATION NUMBER: 60/225,447  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/218,290  
PRIOR FILING DATE: 2000-07-14  
PRIOR APPLICATION NUMBER: 60/225,757  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/226,868  
PRIOR FILING DATE: 2000-08-23  
PRIOR APPLICATION NUMBER: 60/216,647  
PRIOR FILING DATE: 2000-07-07  
PRIOR APPLICATION NUMBER: 60/225,267  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/216,880  
PRIOR FILING DATE: 2000-07-07  
PRIOR APPLICATION NUMBER: 60/225,270  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/251,869  
PRIOR FILING DATE: 2000-12-08  
PRIOR APPLICATION NUMBER: 60/235,834  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: 60/234,274  
PRIOR FILING DATE: 2000-09-21  
PRIOR APPLICATION NUMBER: 60/234,223  
PRIOR FILING DATE: 2000-09-21  
PRIOR APPLICATION NUMBER: 60/228,924  
PRIOR FILING DATE: 2000-08-30  
PRIOR APPLICATION NUMBER: 60/224,518  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/236,369  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/224,519  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/220,964  
PRIOR FILING DATE: 2000-07-26  
PRIOR APPLICATION NUMBER: 60/241,809  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/249,299  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/236,327  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/241,785  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/244,617  
PRIOR FILING DATE: 2000-11-01  
PRIOR APPLICATION NUMBER: 60/225,268  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/236,368  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/251,856

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PRIOR FILING DATE: 2000-12-08  
PRIOR APPLICATION NUMBER: 60/251,868  
PRIOR FILING DATE: 2000-12-08  
PRIOR APPLICATION NUMBER: 60/229,344  
PRIOR FILING DATE: 2000-09-01  
PRIOR APPLICATION NUMBER: 60/234,997  
PRIOR FILING DATE: 2000-09-25  
PRIOR APPLICATION NUMBER: 60/229,343  
PRIOR FILING DATE: 2000-09-01  
PRIOR APPLICATION NUMBER: 60/229,345  
PRIOR FILING DATE: 2000-09-01  
PRIOR APPLICATION NUMBER: 60/229,287  
PRIOR FILING DATE: 2000-09-01  
PRIOR APPLICATION NUMBER: 60/229,513  
PRIOR FILING DATE: 2000-09-05  
PRIOR APPLICATION NUMBER: 60/231,413  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/229,509  
PRIOR FILING DATE: 2000-09-05  
PRIOR APPLICATION NUMBER: 60/236,367  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/237,039  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/237,038  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/236,370  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/236,802  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/237,037  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/237,040  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/240,960  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/239,935  
PRIOR FILING DATE: 2000-10-13  
PRIOR APPLICATION NUMBER: 60/239,937  
PRIOR FILING DATE: 2000-10-13  
PRIOR APPLICATION NUMBER: 60/241,787  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/246,474  
PRIOR FILING DATE: 2000-11-08  
PRIOR APPLICATION NUMBER: 60/246,532  
PRIOR FILING DATE: 2000-11-08  
PRIOR APPLICATION NUMBER: 60/249,216  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,210  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/226,681  
PRIOR FILING DATE: 2000-08-22  
PRIOR APPLICATION NUMBER: 60/225,759  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/225,213  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/227,182  
PRIOR FILING DATE: 2000-08-22  
PRIOR APPLICATION NUMBER: 60/225,214  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/235,836  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: 60/230,438  
PRIOR FILING DATE: 2000-09-06  
PRIOR APPLICATION NUMBER: 60/215,135  
PRIOR FILING DATE: 2000-06-30  
PRIOR APPLICATION NUMBER: 60/225,266  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/249,218  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,208  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,213  
PRIOR FILING DATE: 2000-11-17

1 PRIOR APPLICATION NUMBER: 60/249,212  
 2 PRIOR FILING DATE: 2000-11-17  
 3 PRIOR APPLICATION NUMBER: 60/249,207  
 4 PRIOR FILING DATE: 2000-11-17  
 5 PRIOR APPLICATION NUMBER: 60/249,245  
 6 PRIOR FILING DATE: 2000-11-17  
 7 PRIOR APPLICATION NUMBER: 60/249,244  
 8 PRIOR FILING DATE: 2000-11-17  
 9 PRIOR APPLICATION NUMBER: 60/249,217  
 10 PRIOR FILING DATE: 2000-11-17  
 11 PRIOR APPLICATION NUMBER: 60/249,211  
 12 PRIOR FILING DATE: 2000-11-17  
 13 PRIOR APPLICATION NUMBER: 60/249,215  
 14 PRIOR FILING DATE: 2000-11-17  
 15 PRIOR APPLICATION NUMBER: 60/249,264  
 16 PRIOR FILING DATE: 2000-11-17  
 17 PRIOR APPLICATION NUMBER: 60/249,214  
 18 PRIOR FILING DATE: 2000-11-17  
 19 PRIOR APPLICATION NUMBER: 60/249,297  
 20 PRIOR FILING DATE: 2000-11-17  
 21 PRIOR APPLICATION NUMBER: 60/232,400  
 22 PRIOR FILING DATE: 2000-09-14  
 23 PRIOR APPLICATION NUMBER: 60/231,242  
 24 PRIOR FILING DATE: 2000-09-08  
 25 PRIOR APPLICATION NUMBER: 60/232,081  
 26 PRIOR FILING DATE: 2000-09-08  
 27 PRIOR APPLICATION NUMBER: 60/232,080  
 28 PRIOR FILING DATE: 2000-09-08  
 29 PRIOR APPLICATION NUMBER: 60/231,414  
 30 PRIOR FILING DATE: 2000-09-08  
 31 PRIOR APPLICATION NUMBER: 60/231,244  
 32 PRIOR FILING DATE: 2000-09-08  
 33 PRIOR APPLICATION NUMBER: 60/233,064  
 34 PRIOR FILING DATE: 2000-09-14  
 35 PRIOR APPLICATION NUMBER: 60/233,063  
 36 PRIOR FILING DATE: 2000-09-14  
 37 PRIOR APPLICATION NUMBER: 60/232,397  
 38 PRIOR FILING DATE: 2000-09-14  
 39 PRIOR APPLICATION NUMBER: 60/232,399  
 40 PRIOR FILING DATE: 2000-09-14  
 41 PRIOR APPLICATION NUMBER: 60/232,401  
 42 PRIOR FILING DATE: 2000-09-14  
 43 PRIOR APPLICATION NUMBER: 60/241,808  
 44 PRIOR FILING DATE: 2000-10-20  
 45 PRIOR APPLICATION NUMBER: 60/241,826  
 46 PRIOR FILING DATE: 2000-10-20  
 47 PRIOR APPLICATION NUMBER: 60/241,786  
 48 PRIOR FILING DATE: 2000-10-20  
 49 PRIOR APPLICATION NUMBER: 60/241,221  
 50 PRIOR FILING DATE: 2000-10-20  
 51 PRIOR APPLICATION NUMBER: 60/246,475  
 52 PRIOR FILING DATE: 2000-11-08  
 53 PRIOR APPLICATION NUMBER: 60/231,243  
 54 PRIOR FILING DATE: 2000-09-08

Db	QY	Db	QY
223	301	343	302
DOAQNDFVFLNMGSLGDVSVLRIARTPSPVNICCIENYLQALNHLVSGSQTGNDIGERD	HY	HV	II
241	283	344	342
KITEPVSSTGKNAATWSIIILAVICLLIVYNAVIGWCGRDRLQHSYAGAAVSPETELTG	II	II	II
KITEPVSSTGKNAATWSIIILAVICLLIVYNAVIGWCGRDRLQHSYAGAAVSPETELTG	II	II	II

RESULT 10  
US-09-764-853-812  
; Sequence 812, Application US/09764853  
; Patent No. US20020090672A1

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? APPLICANT: Rosen et al.
? TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
? FILE REFERENCE: PJ206
? CURRENT APPLICATION NUMBER: US/09/764,853
? CURRENT FILING DATE: 2001-01-17
? Prior application data removed - consult PAlM or file wrapper
? NUMBER OF SEQ ID NOS: 939
? SOFTWARE: PatentIn Ver. 2.0
? SEQ ID NO 812
? LENGTH: 344
? TYPE: PRT
? ORGANISM: Homo sapiens
? FEATURE:
? NAME/KEY: SITE
? LOCATION: (170)
? OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-853-812

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Query Match	99.7%	Score 1566;	DB 10;	Length 344;
Best Local Similarity	99.7%	Pred. No. 1e-121;		
Matches 301; Conservative	0;	Mismatches 1;	Indels 0;	Gaps 0;

Qy	1	MGGSGGLLEFLFESSLRADTOEKEXRAWVSGDVLSCACEGGSFFLNDVYVWQTSSEK	60
Db	43	MKGSGGLLEFLFESSLRADTOEKEXRAWVSGDVLSCACEGGSFFLNDVYVWQTSSEK	102
Qy	61	TVVYTHIPONSSLENDVSRIRNRALMSPAGHLRDEDSLRLEFNTYPODEQKfHCLVYSQSL	120
Db	103	TVVYTHIPONSSLENDVSRIRNRALMSPAGHLRDEDSLRLEFNTYPODEQKfHCLVYSQSL	162
Qy	121	GFOEVLSTVTLHVAANFSPVVASPHSPQDELTFTCTSIINGYPRPNVYWKNTDNSLL	180
Db	163	GFOEVLSTVTLHVAANFSPVVASPHSPQDELTFTCTSIINGYPRPNVYWKNTDNSLL	222
Qy	181	DOALONDYFLMNRGLYDVVSVLRIARPPSVNIGCCLENTYLQONLTVGSSOTNDIGERD	240
Db	223	DOALONDYFLMNRGLYDVVSVLRIARPPSVNIGCCLENTYLQONLTVGSSOTNDIGERD	282
Qy	241	KITENFVSTGEKNAATWSILAVLCLLVVAVAIQWVCHRDLQHSYGAMNAVSETELTG	300
Db	283	KITENFVSTGEKNAATWSILAVLCLLVVAVAIQWVCHRDLQHSYGAMNAVSETELTG	342
Qy	301	HV 302	
Db	343	HV 344	

RESULT 11  
 US-09-910-174A-7  
 ; Sequence 7, Application US/09910174A  
 ; Patent No. US20020106730A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Coyle, Anthony J.  
 ; APPLICANT: Fraser, Christopher C.  
 ; APPLICANT: Manning, Stephen  
 ; TITLE OF INVENTION: B7-H2 Molecules, No. US20020106730A1el Members of the B7  
 ; TITLE OF INVENTION: Family and Uses Thereof

FILE REFERENCE: 35800/236924  
 CURRENT APPLICATION NUMBER: US/09/910,174A  
 CURRENT FILING DATE: 2001-07-20  
 PRIOR APPLICATION NUMBER: US 09/620,461  
 PRIOR FILING DATE: 2000-07-20  
 NUMBER OF SEQ ID NOS: 32  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 7  
 LENGTH: 309  
 TYPE: PRF  
 ORGANISM: Homo sapiens  
 US-09-910-174A-7

Query Match 98.9%; Score 1553; DB 10; Length 309;  
 Best Local Similarity 100.0%; Pred. No. 1.1e-120;  
 Matches 299; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGSPGLFLFSSLRADQEKVRAMGSDVELSCACPEGSFRLNDVYVWQTSSEK 60  
 1 MRGSPGLFLFSSLRADQEKVRAMGSDVELSCACPEGSFRLNDVYVWQTSSEK 60  
 QY 61 TVVTHIPONSSLENDVSRNRALMSPAGLRGDFSLRLFNVTPODEQKFCGLVLSQSL 120  
 61 TVVTHIPONSSLENDVSRNRALMSPAGLRGDFSLRLFNVTPODEQKFCGLVLSQSL 120  
 QY 121 GFQVLSVEVTLHYANFVSVVAPHSPODELFTCTCSINGYPRPNVYWKTDNSL 180  
 121 GFQVLSVEVTLHYANFVSVVAPHSPODELFTCTCSINGYPRPNVYWKTDNSL 180  
 QY 181 DOALONDVFLNMRGLDVVSVLRIARTPSVNGCCIEENLLOONLTVGSQTGNDIGERD 240  
 181 DOALONDVFLNMRGLDVVSVLRIARTPSVNGCCIEENLLOONLTVGSQTGNDIGERD 240  
 QY 241 KITEPNVSTGEKNAATWSILAVLCILVVAVALGWCRDRCLQHSYAGAAVSPETELT 299  
 241 KITEPNVSTGEKNAATWSILAVLCILVVAVALGWCRDRCLQHSYAGAAVSPETELT 299

## RESULT 12

US-09-915-789A-11  
 Sequence 11, Application US/09915789A  
 Patent No. US20020168762A1  
 GENERAL INFORMATION:  
 APPLICANT: Chen, Lieping  
 TITLE OF INVENTION: B7-H3 AND B7-H4, NOVEL IMMUNOREGULATORY  
 TITLE OF INVENTION: MOLECULES  
 FILE REFERENCE: 07039-219001  
 CURRENT APPLICATION NUMBER: US/09/915,789A  
 CURRENT FILING DATE: 2002-06-04  
 PRIOR APPLICATION NUMBER: US 60/220,991  
 PRIOR FILING DATE: 2000-07-27  
 NUMBER OF SEQ ID NOS: 23  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 11  
 LENGTH: 241  
 TYPE: PRF  
 ORGANISM: Homo sapiens  
 US-09-915-789A-11

Query Match 79.4%; Score 1248; DB 9; Length 241;  
 Best Local Similarity 99.6%; Pred. No. 1.3e-95;  
 Matches 240; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 16 LRADQEKVRAMGSDVELSCACPEGSFRLNDVYVWQTSSEKTVVTHIPONSSLEN 75  
 16 LRADQEKVRAMGSDVELSCACPEGSFRLNDVYVWQTSSEKTVVTHIPONSSLEN 75  
 QY 76 VDSRRNRALMSPAGLRGDFSLRLFNVTPODEQKFCGLVLSQSLGFQVLSVEVTLHYA 135  
 76 VDSRRNRALMSPAGLRGDFSLRLFNVTPODEQKFCGLVLSQSLGFQVLSVEVTLHYA 135  
 QY 61 VDSRRNRALMSPAGLRGDFSLRLFNVTPODEQKFCGLVLSQSLGFQVLSVEVTLHYA 120  
 61 VDSRRNRALMSPAGLRGDFSLRLFNVTPODEQKFCGLVLSQSLGFQVLSVEVTLHYA 120  
 QY 136 ANFSVPVVASPHSPODELFTCTCSINGYPRPNVYWKTDNSLDOALONDVFLNMRG 195  
 136 ANFSVPVVASPHSPODELFTCTCSINGYPRPNVYWKTDNSLDOALONDVFLNMRG 195

DB 121 ANFSVPVVASPHSPODELFTCTCSINGYPRPNVYWKTDNSLDOALONDVFLNMRG 180  
 121 ANFSVPVVASPHSPODELFTCTCSINGYPRPNVYWKTDNSLDOALONDVFLNMRG 180  
 QY 196 LYDVSVLRIARTPSVNGCCIEENLLOONLTVGSQTGNDIGERDKITEPNVSTGEKNA 255  
 196 LYDVSVLRIARTPSVNGCCIEENLLOONLTVGSQTGNDIGERDKITEPNVSTGEKNA 255  
 DB 181 LYDVSVLRIARTPSVNGCCIEENLLOONLTVGSQTGNDIGERDKITEPNVSTGEKNA 240  
 181 LYDVSVLRIARTPSVNGCCIEENLLOONLTVGSQTGNDIGERDKITEPNVSTGEKNA 240  
 QY 256 T 256  
 256 T 256  
 DB 241 T 241  
 241 T 241

## RESULT 13

US-09-866-050A-664  
 Sequence 664, Application US/09866050A  
 Publication No. US20030040471A1  
 GENERAL INFORMATION:  
 APPLICANT: Watson, James D.  
 APPLICANT: Strachan, Lorna  
 APPLICANT: Sleeman, Matthew  
 APPLICANT: Onrust, Rene  
 APPLICANT: Murison, James G.  
 TITLE OF INVENTION: Compositions Isolated From Skin Cells  
 TITLE OF INVENTION: and Methods for Their Use  
 FILE REFERENCE: 11000,1011c4U  
 CURRENT APPLICATION NUMBER: US/09/866,050A  
 CURRENT FILING DATE: 2001-05-24  
 NUMBER OF SEQ ID NOS: 725  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 664  
 LENGTH: 307  
 TYPE: PRF  
 ORGANISM: Rat  
 US-09-866-050A-664

Query Match 43.8%; Score 688.5; DB 9; Length 307;  
 Best Local Similarity 50.8%; Pred. No. 3e-49;  
 Matches 154; Conservative 40; Mismatches 96; Indels 13; Gaps 8;

QY 6 PGLFLFLFSSLRADQEKVRAMGSDVELSCACPEGSFRLNDVYVWQTSSEKTVV 64  
 6 PGLFLFLFSSLRADQEKVRAMGSDVELSCACPEGSFRLNDVYVWQTSSEKTVV 64  
 DB 10 PGLFLFLFSSLRADQEKVRAMGSDVELSCACPEGSFRLNDVYVWQTSSEKTVV 69  
 10 PGLFLFLFSSLRADQEKVRAMGSDVELSCACPEGSFRLNDVYVWQTSSEKTVV 69  
 QY 65 YHIPPONSSLENDVSRNRALMSPAGLRGDFSLRLFNVTPODEQKFCGLVLSQSLGF 122  
 65 YHIPPONSSLENDVSRNRALMSPAGLRGDFSLRLFNVTPODEQKFCGLVLSQSLGF 122  
 DB 70 YHIPPONSSLENDVSRNRALMSPAGLRGDFSLRLFNVTPODEQKFCGLVLSQSLGF 129  
 70 YHIPPONSSLENDVSRNRALMSPAGLRGDFSLRLFNVTPODEQKFCGLVLSQSLGF 129  
 QY 123 GFQVLSVEVTLHYANFVSVVAPHS--PODELFTCTCSINGYPRPNVYWKTDNSL 180  
 123 GFQVLSVEVTLHYANFVSVVAPHS--PODELFTCTCSINGYPRPNVYWKTDNSL 180  
 DB 130 GALEEVVRLRYANFSTPVISTSGSDPGO-ERTFTCMKNGYEPMLYWINRTDNTLI 188  
 130 GALEEVVRLRYANFSTPVISTSGSDPGO-ERTFTCMKNGYEPMLYWINRTDNTLI 188  
 QY 181 DOALONDVFLNMRGLDVVSVLRIARTPSVNGCCIEENLLOONLTVGSQTGNDIGERD 240  
 181 DOALONDVFLNMRGLDVVSVLRIARTPSVNGCCIEENLLOONLTVGSQTGNDIGERD 240  
 DB 189 DETLONNTVFLNMRGLDVVSVLRIARTPSVNGCCIEENLLOONLTVGSQTGNDIGERD 248  
 189 DETLONNTVFLNMRGLDVVSVLRIARTPSVNGCCIEENLLOONLTVGSQTGNDIGERD 248  
 QY 241 KITEPNVSTGEKNAATWSILAVLCILVVAVALGWCRDRCLQHSYAGAAVSPETEL 298  
 241 KITEPNVSTGEKNAATWSILAVLCILVVAVALGWCRDRCLQHSYAGAAVSPETEL 298  
 DB 249 --TERPQEIHRKATVLFYALALLAVVVFITVLVRCRRRPOQ-SYTGPRAY--QDEL 303  
 249 --TERPQEIHRKATVLFYALALLAVVVFITVLVRCRRRPOQ-SYTGPRAY--QDEL 303  
 QY 299 TGH 301  
 299 TGH 301  
 DB 304 TDH 306  
 304 TDH 306

## RESULT 14

US-09-910-174A-29  
 Sequence 29, Application US/09910174A  
 Patent No. US20020106730A1  
 GENERAL INFORMATION:  
 APPLICANT: CoyLe, Anthony J.  
 APPLICANT: Fraser, Christopher C.  
 APPLICANT: Manning, Stephen  
 TITLE OF INVENTION: B7-H2 Molecules, No. US20020106730A1e1 Members of the B7

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: TITLE OF INVENTION: Family and Uses Thereof
: FILE REFERENCE: 35800/236924
: CURRENT APPLICATION NUMBER: US/09/910,174A
: CURRENT FILING DATE: 2001-07-20
: PRIOR APPLICATION NUMBER: US 09/620,461
: PRIOR FILING DATE: 2000-07-20
: NUMBER OF SEQ ID NOS: 32
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 29
: LENGTH: 322
: TYPE: PRT
: ORGANISM: Mus musculus
: US-09-910-174A-29

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Query Match	38.2%;	Score 599.5;	DB 10;	Length 322;
Best Local Similarity	46.2%;	Pred. No. 7.1e-42;		
Matches 140;	Conservative 40;	Mismatches 102;	Indels 21;	Gaps 8;

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0Y      7 GLEFLFLSSLDADQGEKRVKRWAGSDVELSCACEGSFFLDINDYVWQTSKSTVATYH 66
      || || || | : || || || | : || | : || | : || |
      32 GLEFLLLSSLCASAETFEVGAMGSNVLSICIDPHRRHFNLSGLVYVQIQENPEVSTYY 91

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67 IPQSSLENDSDRYRNALMSDAGMLRDFESLRLENVTPQDEQKFCFLV-LSQSLSGEV 125
    :| | ||| |:| :| | :||| | ||||| :| | :| :| :|
92 LPYKSPGINVDSSYKNGRGLSDSDMKOGNFSLYKKNVTPQDQTFQEFTRVEMNTATELVKI 151

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Qy 126 L\$VEVTLHVANF\$V\$PV\$SAPH\$--P\$ODELT\$F\$CT\$S\$IN\$Y\$PR\$PN\$Y\$W\$IN\$K\$T\$D\$N\$S\$L\$D\$Q\$ 183

184 LQNDYFELMGRGLDYVSVLRIARTPSVNI GCCIENVLQQLNLVGSQ---TGNDIGER 239

Db	211	LQNTVTYLNKGLGYDIAVISTLRLEPMTSRGDVLCVENVALHQNTISASQAESPTGNN-----	266
Oy	240	DKITENPVSTGEKNAATWSIIAVLCILVVVAVAIGWCBDRCLOH-SYAGANAVPETEL	296

```

      :| | |
      :| : : : : | | | | :|
Db 267 --TKNQETHNNEL---KVLVPLAVLAAAFVSFIIRBTRPHRSYTGPKTV--QIEL 318

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Qy	299	TGH	301
Db	319	TDH	321

RESULT 15  
US-09-915-789A-1

; sequence 1, Application US/09913/89A  
; Patent No. US20020168762A1

GENERAL INFORMATION  
APPLICANT: Chen, Li

TITLE OF INVENTION: B7-H3 AND B7-H4, NOVEL IMMUNOREGULATORY MOLECULES

FILE REFERENCE: 07039-219001

; CURRENT APPLICATION NUMBER: US/09/913,789A  
 ; CURRENT FILING DATE: 2002-06-04

;  
; PRIOR APPLICATION NUMBER: US 60/220,991  
; PRIOR FILING DATE: 2000-07-27  
;

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; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSeq for Windows Version 4.0
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/ COL MTIME: 1960000 FOR WARDEN: 1
; SEQ ID NO 1
      LENGTH: 316

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; LENGTH: 310
; TYPE: PRT

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ORGANISM: HC  
US-09-915-789A-1

Query match	18.8%	Score 296;	DB 9;	Length 316;
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Best Local Similarity 30.8%; Pred. No. 8.4e-17;  
Matches 97; Conservative 42; Mismatches 116; Indels 60; Gaps 13

QY 2 RLGSPG-----LFLFSSLRADTQEKVRAMVGSDELSCACPEGSRFDLNDV 50

Db 4 KRSPDGMGVHVGALGALWFCLTGALVEQVPEDPVALVGTDATLTCCSFSPERGFSLAQL 63

51 yvvwotseektvvtvhtibonssienvd--sryrbai MSPAGMI RGEFSLRI ENVTPODF 100

Db	64	NIIMQLDTRKOLY-----HSFAEGODGGSAYANRTALFPDDLGAONASLRQLQWRAVE	117
Qy	109	QRKHCVLSOSGDFQEVLSVEYTLHVAAANSVPVAPSAHPSPSO-----DELFCCTSI	163
Db	118	GSTCTCVSTIRDC-----SAAVSLQVAAPIPSK-----SMILEPNKDLRPGQVYITTCSSVRG	170
Qy	164	YPRPNVW-----INKTNSLLDQALONDVFLMRGLDQVSVYLRIARTSPVNIACCIE	218
Db	171	YPAEAFWMDDGGVPLTGNVTTSQ-----MANEGGLDFHVSIVRYVLGAAGTYSCLVR	223
Qy	219	NVLLOQNLVYSGOTGNDIGERDKITENPVSTGEKNMATSIILAVLCILLVVAVAIGWVC	277
Db	224	NPLVQGD-AHGAVT-----ITGQMFPEPE-ALMWYGLSVCIALLVALAFQW	271
Qy	278	---RDRCLQHSYAGA	289
Db	272	RKIKQSC-EEENNGA	285

Search completed: May 24, 2003, 16:54:04  
Job time : 16.369 secs

GenCore version 5.1.4.P5\_A578  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: May 24, 2003, 16:25:54 ; Search time 11.0144 Seconds  
(without alignments) 806.735 Million cell updates/sec

Title: US-09-728-420C-17  
Perfect score: 1571  
Sequence: 1 MRIGSPGLIFLFFSLRADT.....QHSYAGAMAVSPETELNGHV 302

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents\_AA:\*  
1: /cgn2\_6/ptodata/1/1aa/5A.COMB.pep:\*  
2: /cgn2\_6/ptodata/1/1aa/5B.COMB.pep:\*  
3: /cgn2\_6/ptodata/1/1aa/6A.COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/6B.COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/PCMus.COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	274.5	17.5	340	4	US-09-651-200-2
2	274.5	17.5	441	4	US-09-651-200-4
3	273.5	17.4	534	4	US-09-651-200-6
4	273.5	17.4	534	4	US-09-651-200-6
5	185	11.8	329	4	US-09-651-200-24
6	184	11.7	329	4	US-09-651-200-18
7	182	11.6	329	4	US-09-651-200-19
8	182	11.6	303	4	US-09-651-200-23
9	182	11.6	309	2	US-08-456-104-4
10	182	11.6	309	2	US-08-479-744A-23
11	182	11.6	309	4	US-08-280-757B-23
12	182	11.6	309	4	US-08-205-697A-21
13	182	11.6	309	4	US-08-205-697A-21
14	182	11.6	309	5	US-09-651-200-22
15	182	11.6	309	5	US-09-651-200-22
16	182	11.6	314	4	US-08-205-697A-13
17	182	11.6	314	4	US-08-205-697A-13
18	182	11.6	314	5	US-08-702-525-13
19	174	11.1	325	4	US-09-651-200-20
20	165.5	10.5	589	2	US-08-724-394A-1
21	165.5	10.5	323	4	US-09-651-200-21
22	165.5	10.5	323	5	US-09-651-200-21
23	165.5	10.5	329	2	US-08-456-104-2
24	165.5	10.5	329	2	US-08-101-624-2
25	165.5	10.5	329	3	US-08-479-744A-2
26	165.5	10.5	329	4	US-08-280-757B-2
27	165.5	10.5	329	4	US-08-205-697A-23
			329	4	US-08-702-525-23

28	165.5	10.5	329	4	US-08-403-253A-4	Sequence 4, Appl1
29	165.5	10.5	329	5	PCT-US95-02576-23	Sequence 23, Appl1
30	164.5	10.5	288	2	US-08-147-772-2	Sequence 2, Appl1
31	164.5	10.5	288	2	US-08-456-104-6	Sequence 6, Appl1
32	164.5	10.5	288	2	US-08-101-624-23	Sequence 23, Appl1
33	164.5	10.5	288	2	US-08-751-767A-6	Sequence 6, Appl1
34	164.5	10.5	288	3	US-08-153-262-2	Sequence 2, Appl1
35	164.5	10.5	288	3	US-08-479-744A-29	Sequence 29, Appl1
36	164.5	10.5	288	4	US-08-280-757B-29	Sequence 29, Appl1
37	164.5	10.5	288	4	US-09-159-135-2	Sequence 2, Appl1
38	164.5	10.5	288	4	US-08-205-697A-19	Sequence 19, Appl1
39	164.5	10.5	288	4	US-08-702-525-19	Sequence 19, Appl1
40	164.5	10.5	288	4	US-09-450-798-2	Sequence 2, Appl1
41	164.5	10.5	288	4	US-08-403-253A-2	Sequence 2, Appl1
42	164.5	10.5	288	4	US-09-651-200-13	Sequence 13, Appl1
43	164.5	10.5	288	5	PCT-US95-02576-19	Sequence 19, Appl1
44	161	10.2	208	4	US-09-460-384-36	Sequence 36, Appl1
45	161	10.2	473	4	US-09-171-945-131	Sequence 131, App

## ALIGNMENTS

RESULT 1  
US-09-651-200-2

Sequence 2, Application US/09651200

Patent No. 6429303

GENERAL INFORMATION:  
APPLICANT: Green et al

TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B

TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and

FILE REFERENCE: 15966-562 (CORA-62)

CURRENT APPLICATION NUMBER: US/09/651,200

PRIOR APPLICATION NUMBER: 60/152383

PRIOR FILING DATE: 1999-09-03

PRIOR APPLICATION NUMBER: 60/172909

PRIOR FILING DATE: 1999-12-21

PRIOR APPLICATION NUMBER: 60/183578

NUMBER OF SEQ ID NOS: 25

SOFTWARE: Patentlin Ver. 2.0

SEQ ID NO 2

LENGTH: 340

TYPE: PRT

ORGANISM: Homo sapiens

US-09-651-200-2

Query Match

Best Local Similarity 30.2%; Pred. No. 2.2e-19;

Matches 88; Conservative 43; Mismatches 111; Indels 49; Gaps 12;

15 SLRADQKEKVRAMGSDVLSGACPEGRFDLNDVYVWQTSKTYVTHIPONSLE 74

52 AVEQVPEPVAVALVGTATLHCSPERGFSLQNLMLQVLDKOLV-----HSTLE 105

75 NVD--SRYNRLALMSAGLRDPSLRLEFNTVPDQKHFCLVLSQSLSGFDEVLSEVTL 132

106 GRDGSAYANRRLAEPDLAOGNASRLQRYVAVDEGSCFVSIRDEG-----SAVSL 160

133 HVAANSVFVAVAPSPS-----DELFTCSINSYGPRPNVY-----INKTDSLLDO 182

161 QVAAPYSKR--SMLEPNNDLARGDTVITTCSSYGEAEVFWDDGGGVPITGAVTTSQ 218

183 ALQNDVFLNMGGLDVVSVIARIPTSPVNGCCIEVNLQONTLVGSQGTQNDISGRDKI 242

219 -----MANEGGLDVSIVLVVGLANGTYSCLVRNVLQOD--AHGSVT-----I 261

243 TENPSTGEKNATWSIIAIVLCLLVVAIVAGWVC-----RDRQCHSYAGA 289

262 TQGPMTFFPE--ALWVTYGLSCLIALVLAIVAGCMRIKQSC--EENAGA 309

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RESULT 2
US-09-651-200-4
; Sequence 4, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentln Ver. 2.0
; EO ID NO 4
; LENGTH: 441
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-651-200-4

Query Match          17.5%; Score 274.5; DB 4; Length 441;
Best Local Similarity 30.2%; Pred. No. 3.3e-19;
Matches 88; Conservative 43; Mismatches 111; Indels 49; Gaps 12;

QY 15 SLRADTQEKVRAMGSDVELSCACPEGSFRDLNDVYVYQTSSEKTYVTHIPONSLE 74
DB 153 AVEQVQEDPVVALVGTDTATLRCSFSPPEGSFLQNLMLQTLDTQOLV-----HSFTE 206
QY 75 NVD--SRYRNRALMSPAGMLRGDFSLRLFNVTPODEQKFCILVLSQSLGFQEVLSVEVTL 132
DB 207 GRDGSAYANRTALFPDLLAQNASLRLOVRVADGSEFTCFVSIRDFG-----SAAVSL 261
QY 133 HVAANFSVPVVASAPHSQ-----DELFTCTSTINGYPRPNVYV-----INKTDSLLDQ 182
DB 262 QVAAPYSKP--SMTLEPKKDLRPDVTYITCSSYRGYPEAEVFWQDQGVPLTGNVTTSQ 319
QY 183 ALQNDTVFLNMRGLDYVSVLRIRTPSVNIGCCIEENVLLQONLTVGSOTGNDIGERDKI 242
DB 320 -----MANQGLDFVHSLRVLVGANGTYSCLVRRNPVLQDQ-AHGSYV-----I 362
QY 243 TENPVSTGEKNAATWSILAVLCLLVVAVAIGWYC-----RDRCLOHSYAGA 289
DB 363 TQGPMTPEPE--ALMVTVGLSVCLIALLVAFVCMWRKIKQSC-EENAGA 410

RESULT 3
US-09-651-200-6
; Sequence 6, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 6
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LENGTH: 534
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-651-200-6

Query Match          17.4%; Score 273.5; DB 4; Length 534;
Best Local Similarity 30.2%; Pred. No. 5.5e-19;
Matches 88; Conservative 43; Mismatches 111; Indels 49; Gaps 12;

QY 15 SLRADTQEKVRAMGSDVELSCACPEGSFRDLNDVYVYQTSSEKTYVTHIPONSLE 74
DB 246 AVEQVQEDPVVALVGTDTATLRCSFSPPEGSFLQNLMLQTLDTQOLV-----HSFTE 299
QY 75 NVD--SRYRNRALMSPAGMLRGDFSLRLFNVTPODEQKFCILVLSQSLGFQEVLSVEVTL 132
DB 300 GRDGSAYANRTALFPDLLAQNASLRLOVRVADGSEFTCFVSIRDFG-----SAAVSL 354
QY 133 HVAANFSVPVVASAPHSQ-----DELFTCTSTINGYPRPNVYV-----INKTDSLLDQ 182
DB 355 QVAAPYSKP--SMTLEPKKDLRPDVTYITCSSYRGYPEAEVFWQDQGVPLTGNVTTSQ 412
QY 183 ALQNDTVFLNMRGLDYVSVLRIRTPSVNIGCCIEENVLLQONLTVGSOTGNDIGERDKI 242
DB 413 -----MANQGLDFVHSLRVLVGANGTYSCLVRRNPVLQDQ-AHGSYV-----I 455
QY 243 TENPVSTGEKNAATWSILAVLCLLVVAVAIGWYC-----RDRCLOHSYAGA 289
DB 456 TQGPMTPEPE--ALMVTVGLSVCLIALLVAFVCMWRKIKQSC-EENAGA 503

RESULT 4
US-09-651-200-24
; Sequence 24, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 24
; LENGTH: 534
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Sequence
; US-09-651-200-24

Query Match          17.4%; Score 273.5; DB 4; Length 534;
Best Local Similarity 30.2%; Pred. No. 5.5e-19;
Matches 88; Conservative 43; Mismatches 111; Indels 49; Gaps 12;

QY 15 SLRADTQEKVRAMGSDVELSCACPEGSFRDLNDVYVYQTSSEKTYVTHIPONSLE 74
DB 246 AVEQVQEDPVVALVGTDTATLRCSFSPPEGSFLQNLMLQTLDTQOLV-----HSFTE 299
QY 75 NVD--SRYRNRALMSPAGMLRGDFSLRLFNVTPODEQKFCILVLSQSLGFQEVLSVEVTL 132
DB 300 GRDGSAYANRTALFPDLLAQNASLRLOVRVADGSEFTCFVSIRDFG-----SAAVSL 354
QY 133 HVAANFSVPVVASAPHSQ-----DELFTCTSTINGYPRPNVYV-----INKTDSLLDQ 182
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